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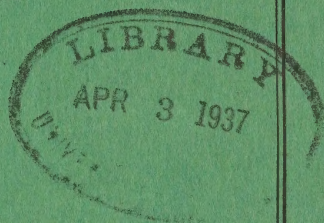
ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1936



OTTAWA
J. O. PATENAUDE, I.S.O.
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1937

Price, 25 cents.

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NATIONAL HARBOURS BOARD

R. O. Campney.....	Chairman.
Col. A. E. Dubuc.....	Vice-Chairman and Chief Engineer.
B. J. Roberts.....	Member.

F. W. Riddell.....	Executive Secretary.
J. T. Rowan.....	Assistant Secretary.

PORT MANAGERS

Halifax.....	R. W. Hendry.....	Port Manager.
Saint John.....	Alex. Gray.....	Port Manager and Chief Engineer.
	A. G. McAvity.....	Assistant Port Manager.
Chicoutimi.....	Jean Coté.....	Acting Secretary.
Quebec.....	Louis Beaudry.....	Acting Port Manager and Chief Engineer.
Three Rivers.....	J. R. Lariviere.....	Acting Secretary.
Montreal.....	Alex. Ferguson.....	Port Manager.
	J. A. Duchastel.....	Assistant Port Manager.
Vancouver.....	K. J. Burns.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 15, 1937.

To the HON. C. D. HOWE, M.P.,
Minister of Transport,
OTTAWA.

SIR,—In conformity with Section 32 of the National Harbours Board Act, 1936, we have the honour to submit the Annual Report of the National Harbours Board covering the operations of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver for the calendar year 1936. During the first nine months of the period separate corporations existed for each of the harbours, the Commissioners in each case being three officers of the public service at Ottawa. On October 1st, 1936, with the proclamation of the National Harbours Board Act, the former corporations were succeeded by the National Harbours Board.

TRAFFIC

The volume of traffic moving through and at the ports under the jurisdiction of the Board recorded advances in line with the general economic recovery experienced during 1936.

The following is a summary of the traffic of the harbours under the jurisdiction of the Board:—

The total number of vessels arriving and departing is reported as follows:—

Calendar year 1936.....	73,038 vessels
“ “ 1935.....	69,866 “
an increase of.....	3,172 “
or.....	5%

The net register tonnage of vessels arriving and departing is reported as follows:—

Calendar year 1936.....	67,316,144 tons
“ “ 1935.....	63,365,130 “
an increase of.....	3,951,014 “
or.....	6%

In order to make the comparisons some slight adjustment of 1935 figures has been necessary.

The volume of cargo tonnage landed and embarked by vessels arriving and departing is reported as follows:—(Tons 2,000 lbs. W. or M.)

Calendar year 1936.....	27,770,875 tons
“ “ 1935.....	24,436,046 “
an increase of.....	3,334,829 “
or.....	13%

Details by individual harbours are submitted with this report. As the method of compiling traffic statistics has not been uniform for all ports, it has not been possible to present consolidated traffic returns in detail.

REVENUES AND EXPENDITURES

Operating revenues in 1936 for all ports amounted to \$8,030,600, as compared with \$7,427,454 in 1935, an increase of \$603,146, or 8.1%. Operating and maintenance expenses aggregated \$4,494,713, as against \$4,975,755 in 1935, showing a decrease of \$481,042, or 9.7%. After taking into account miscellaneous income, the net amount available for interest and depreciation was \$3,601,346, as compared with \$2,473,261 in 1935, an increase of \$1,128,085, or 45.6%.

After provision for interest, replacement reserves, etc., the net income deficit for the year was \$5,876,582, as shown by the following statement, which also shows the corresponding figures for 1935:

CONSOLIDATED INCOME STATEMENT

	1936		1935	
	\$	cts.	\$	cts.
OPERATING REVENUES.....	8,030,600	68	7,427,454	77
OPERATING AND MAINTENANCE EXPENSES.....	4,494,713	43	4,975,755	52
OPERATING INCOME.....	3,535,887	25	2,451,699	25
MISCELLANEOUS CREDITS.....	65,458	67	21,562	00
TOTAL INCOME.....	3,601,345	92	2,473,261	25
INTEREST DUE PUBLIC.....	1,298,718	69	1,325,299	77
	2,302,627	23	1,147,961	48
OTHER INCOME REQUIREMENTS—	\$	cts.	\$	cts.
Reserve for Replacements.....	1,907,179	17	788,359	17
Interest due Government.....	6,543,717	87	6,376,300	51
Other Income Charges.....	28,312	80	27,760	28
	8,479,209	84	7,192,419	96
	6,176,582	61	6,044,458	48
Deduct:				
Special Contributions to Deficits (Bridge—Montreal).....	300,000	00	300,000	00
Net Income Deficit.....	5,876,582	61	5,744,458	48

Reserve for replacements charged in the 1936 accounts amounted to \$1,907,179, as compared with \$788,359 in the previous year, thus increasing the net income deficit. A charge for this purpose has now been made for each of the harbours, whereas in 1935 only the Harbour of Montreal included any reserve for replacement of physical assets. In the case of harbours other than Montreal the charge is an approximate one, as in the short time since assuming office the Board has not had the opportunity of making a detailed survey and valuation of properties with a view to determining definitely the amount which should be provided under this heading.

All harbours participated in the improvement in operating revenues and in the reduction of operating and maintenance expenses as compared with the previous year. As provided by Section 31 of the National Harbours Board Act separate accounts are kept for each harbour and are submitted with this report.

The cash deficits of \$14,934 at Halifax, \$20,141 at Saint John, \$212,802 at Quebec, \$1,840 at Chicoutimi and \$443,000 for the Jacques Cartier Bridge, Montreal, have been paid to the Board out of the Consolidated Revenue Fund of Canada. The net earnings of the other harbours have or will be applied to payment of interest due the Government, after provision for replacement reserves.

CAPITAL EXPENDITURES AND REFUNDING

Interest bearing advances for capital expenditures and refunding of maturing securities in the hands of the public were obtained from the Dominion Treasury as follows:

Harbour	Capital Expenditures	Refunding
	\$	\$
Halifax.....	10,857	
Saint John.....	14,410 (Cr.)	1,435,751
Montreal.....	310,949	
Vancouver.....	11,104	
	318,500	1,435,751

The rate of interest charged on advances received after October 1st, 1936, was fixed at $3\frac{1}{2}\%$ per annum. Prior to that date the rate was 5% .

In addition, there was expended on works initiated as unemployment relief measures under the Public Works construction programs of 1934 and 1935, the sum of \$4,210,732. These expenditures are included in the Balance Sheet but no interest liability is assumed by the Board in respect thereof. The expenditure was distributed by harbours as follows:

Halifax.....	\$ 268,286
Saint John.....	1,382,094
Chicoutimi.....	14,664
Quebec.....	676,437
Three Rivers.....	184,179
Montreal.....	1,680,347
Jacques Cartier Bridge, Montreal.....	4,725
	<u>\$ 4,210,732</u>

During the year, certain contracts previously awarded were cancelled while other contracts and intended works were radically modified in order to improve the stability of the structures proposed and/or reduce their cost. A saving estimated at over \$1,100,000 was effected thereby.

Capital expenditures are referred to in more detail in the data submitted with the report.

RETIREMENT OF BANK LOANS

Certain outstanding bank loans contracted by the former Harbour Commissioners were liquidated during the year, funds being provided by Votes of Parliament. These amounted to \$903,483 for capital expenditures in previous years and \$1,116,056 for deficits accumulated prior to 1936, as follows:

Harbour	Capital	Deficit
	\$	\$
Halifax.....	449,484	573,228
Chicoutimi.....	9,999	34,000
Quebec.....		508,828
Three Rivers.....	444,000	
	903,483	1,116,056

INSURANCE RESERVE

In accordance with general Government policy, and with the approval of the Governor in Council, the policy of insuring harbour properties (with certain exceptions) was discontinued in November, 1935. The Board has, however, charged to operating expenses and set aside, in the form of a reserve, amounts approximating the premiums on policies cancelled. The total thus reserved for all harbours was \$80,920.

AUDIT

From October 1, 1936, the accounts of the Board were made subject to the audit of the Auditor General of Canada. The services of the chartered accountants appointed by the former Commissioners to audit their accounts for 1936 were extended, however, by resolution of the Board and with the consent of the Auditor General, to the end of the calendar year.

Consolidated Income Statement and Balance Sheet, together with similar statements for each harbour, supplemented by details of harbour traffic and works carried on in 1936, are appended to this report.

Respectfully submitted,

R. O. CAMPNEY,
Chairman.

A. E. DUBUC,
Vice-Chairman and Chief Engineer.

B. J. ROBERTS,
Member.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1936

OPERATING REVENUES—

Wharves and Sheds Division.....	\$ 3,511,685 98	
Railway System.....	660,261 64	
Elevator System.....	1,904,881 60	
Cold Storage Warehouses.....	271,742 26	
Bridge Tolls and Sundry Receipts.....	494,957 05	
Miscellaneous.....	1,187,072 15	
		<u>\$8,030,600 68</u>

OPERATING EXPENSES—

Administration.....	642,996 44	
Operation and Maintenance—		
Wharves and Sheds Division.....	\$ 1,405,207 21	
Railway System.....	619,490 32	
Elevator System.....	946,544 89	
Cold Storage Warehouses.....	348,602 46	
Bridges.....	96,720 94	
Miscellaneous.....	435,151 17	
		<u>4,494,713 43</u>
Operating Income.....		3,535,887 25

MISCELLANEOUS DEBITS AND CREDITS..... 65,458 67

Total Income..... 3,601,345 92

INTEREST DUE PUBLIC..... 1,298,718 69

2,302,627 23

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,907,179 17	
Reserve for Bad Debts.....	10,769 93	
Bond Discount and Premium on Bond Interest Payments.....	17,542 87	
Interest due Dominion Government.....	6,543,717 87	
		<u>8,479,209 84</u>

6,176,582 61

Deduct: Special Contributions to Deficits (Bridge—Montreal)..... 300,000 00

Net Income *Deficit*..... \$ 5,876,582 61

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

\$ cts. \$ cts.

FIXED—

Harbour Dredging.....	10,266,070 66
Real Estate.....	12,232,744 96
Vehicular Bridges.....	88,544 31
Roads, Fences and Boundaries.....	1,009,470 38
Sewers and Drains.....	258,531 88
Miscellaneous Structures.....	423,359 53
Wharves and Piers.....	72,958,369 38
Permanent Sheds.....	15,174,400 70
Shed Hoists.....	215,988 72
Railway System.....	8,087,569 69
Elevator System.....	31,888,854 36
Cold Storage Warehouses.....	5,466,200 99
Office Furniture and Appliances.....	88,990 21
Harbour Buildings.....	533,885 95
Central Heating Plant.....	11,300 46
Harbour Shops.....	327,409 33
Electric Power System.....	1,275,417 99
Water Supply System.....	207,243 05
Floating Equipment.....	1,197,060 78
Shore Equipment.....	386,307 75
Miscellaneous Small Plant and Tools.....	20,835 01
Properties and Expenditure Undistributed.....	15,726,007 91
Bridge Construction and Right-of-way, etc.....	19,678,573 69

197,523,137 69

CURRENT—

Cash.....	2,785,558 53
Accounts Receivable.....	1,131,607 18
Advances Due.....	96,825 23
Stores on hand.....	287,521 70
Accrued Revenue, etc.....	35,584 04

4,337,096 68

SECURITY DEPOSITS—AT HARBOURS AND OTTAWA.....	835,460 63
SINKING FUNDS.....	69,891 70
REPLACEMENT FUNDS.....	3,162,187 25
FIRE AND GENERAL INSURANCE FUND.....	80,920 06
MISCELLANEOUS FUNDS AND INVESTMENTS.....	234,522 77
GENERAL WORKMEN'S COMPENSATION FUND.....	14,789 98
BOND DISCOUNT SUSPENSE ACCOUNT.....	290,449 62
PREPAID CHARGES.....	21,717 03
DEFERRED DEBITS.....	15,260 80

\$ 206,585,434 26

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1936

LIABILITIES

	\$	cts.	\$	cts.
INDEBTEDNESS TO PUBLIC.....			26,473,198	75
DOMINION GOVERNMENT ACCOUNT—				
Loans and Advances (Interest bearing).....	142,757,736	26		
Expenditures from Appropriations.....	25,897,776	87		
			168,655,513	13
OTHER CAPITAL LIABILITIES.....			379,122	06
CURRENT—				
Accounts Payable.....	373,525	96		
Matured Interest due Public.....	9,467	80		
Matured Interest due Dominion Government.....	30,802,886	74		
Accrued Interest.....	690,315	40		
Other Liabilities.....	2,444,012	68		
			34,320,208	58
CONTRACTORS' HOLDBACKS—MAINTENANCE.....			34,266	54
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....			835,460	68
RESERVES—				
Replacements.....	4,637,795	17		
Fire and General Insurance.....	80,920	06		
Sinking Funds.....	69,891	70		
Grain Shortages.....	9,864	38		
General Workmen's Compensation.....	14,789	98		
			4,813,261	29
DEFERRED CREDITS.....			169,077	58
TOTAL LIABILITIES.....			235,680,108	61
SURPLUS AND DEFICIT ACCOUNT—				
Deficits as at December 31, 1935.....	11,535,373	76		
Interest due Dominion Government.....	21,341,051	43		
Accounts written off.....	2,680,935	76		
Net Income Deficit for 1936.....	5,876,582	61		
			41,433,943	56
Deduct:				
Government Grants.....\$	1,446,470	63		
Capital Surpluses transferred.....	5,019,302	90		
Reserve Accounts transferred.....	5,873,495	68		
			12,339,269	21
			29,094,674	35
			\$ 206,585,434	26

HARBOUR OF HALIFAX

TRAFFIC

Cargo tonnage in 1936, foreign and coastwise, amounted to 2,140,458 tons, exclusive of 125,636 tons for cross harbour movements and bunkering which it was formerly the practice to include in the returns. If the latter figure be included for comparative purposes, an increase of 3% over 1935 is shown.

Cargo tonnage was adversely affected by a decrease in wheat exports which occurred in the first three months of the year and by a reduction in exports of fresh apples, the exportable surplus having been considerably lower than in the previous year. Receipts of corn were heavy.

1. SHIPPING

Classification	Number of Vessels	Register (Net Tons)
(a) Arrivals—		
1. Overseas.....	891	3,192,703
2. Coastwise.....	2,182	595,498
Total 1936.....	3,073	3,788,201
“ 1935.....	2,965	3,849,809
“ 1934.....	2,777	4,406,913
“ 1933.....	2,983	4,332,982
“ 1932.....	2,970	4,221,334
(b) Departures—		
1. Overseas.....	879	3,160,226
2. Coastwise.....	2,142	577,489
Total 1936.....	3,021	3,737,715
“ 1935.....	2,942	3,837,344
“ 1934.....	2,736	4,361,702
“ 1933.....	2,910	4,306,492
“ 1932.....	2,868	4,159,472
(c) Total Shipping—		
1. Overseas.....	1,770	6,352,929
2. Coastwise.....	4,324	1,172,987
Total 1936.....	6,094	7,525,916
“ 1935.....	5,907	7,687,153
“ 1934.....	5,513	8,768,615
“ 1933.....	5,893	8,639,474
“ 1932.....	5,838	8,380,806

2. CARGO TONNAGE

(Tons—2,000 lbs.)

Classification	Inward	Outward	Total
(a) Foreign.....	1,062,959	607,597	1,670,556
(b) Coastwise.....	197,141	272,761	469,902
(c) Local.....	No record	No record	No record
Total 1936.....	1,260,100	880,358	*2,140,458
“ 1935.....	1,212,386	983,443	2,195,829
“ 1934.....	1,089,934	1,006,271	2,096,205
“ 1933.....	992,628	758,400	1,751,028
“ 1932.....	855,015	603,068	1,458,083

*Exclusive of cross harbour movements and bunkering, included in figures for previous years.

3. CARGO TONNAGE BY COMMODITIES

(Tons=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	Tons	Tons	Tons	Tons
<i>Agricultural Products</i>				
1. Wheat.....	7	63,037	63,044	110,313
2. Corn.....	75,249	172	75,421	38,851
3. Oats.....	50	1,638	1,688	2,272
4. Barley.....	3	5	8	10
5. Rye.....				
6. Flaxseed.....				
7. Other Grain.....	394	293	687	694
8. Flour.....	4,828	62,533	67,361	69,203
9. Other Mill Products.....	1,268	19,990	21,258	17,597
10. Hay and Straw.....		1,252	1,252	880
11. Cotton.....	165	24	189	16
12. Apples (fresh).....	1,375	54,794	56,169	105,507
13. Other Fruit (fresh).....	18,436	1,461	19,897	23,007
14. Potatoes.....	178	14,396	14,574	15,318
15. Other Fresh Vegetables.....	6,498	6,601	13,099	12,103
16. Other Agricultural Ptds.....	45,535	6,448	51,983	39,388
Total 1936.....	153,986	232,644	386,630	
" 1935.....	120,091	315,068		435,159
<i>Animal Products</i>				
17. Horses.....	3	18	21	16
18. Cattle and Calves.....	3	199	202	281
19. Sheep.....				
20. Hogs.....		3	3	2
21. Dressed Meats (fresh).....		1,949	1,949	1,613
22. Dressed Meats (cured, salted, canned).....	1,079	11,141	12,220	9,607
23. Other Packing House Products—(edible).....	947	4,887	5,834	6,232
24. Poultry.....		509	509	385
25. Eggs.....		132	132	170
26. Butter.....	261	336	597	646
27. Cheese.....	209	670	879	927
28. Wool.....	6,366	123	6,489	4,033
29. Hides and Leather.....	1,662	1,719	3,381	3,193
30. Other Animal Products (non-edible).....	117	106	223	68
Total 1936.....	10,647	21,792	32,439	
" 1935.....	6,935	20,238		27,173
<i>Mine Products</i>				
31. Anthracite Coal.....	44,242		44,242	45,878
32. Bituminous Coal.....	97,009	140	97,149	160,701
33. Lignite Coal.....				
34. Coke.....	4,588		4,588	11,383
35. Iron Ores.....		17	17	262
36. Copper Ore & Concentrates.....	143	33,779	33,922	27,873
37. Other Ores & Concentrates.....	17,562	12,251	29,813	6
38. Base Bullion, Matte, Pig & Ingot (non-ferrous metals).....	1,200	8,922	10,122	12,194
39. Sand and Gravel.....	188	1	189	17,406
40. Stone (crushed, ground, broken).....		2	2	
41. Slate Dimension or Block Stone.....	113	3	116	104
42. Crude Petroleum.....	644,777	50	644,827	613,336
43. Asphalt (Natural, By-Product Petroleum).....		27	27	27
44. Salt.....	8,550	926	9,476	8,259
45. Other Mine Products.....	485	1,213	1,698	3,125
Total 1936.....	818,827	57,331	876,158	
" 1935.....	820,282	80,272		900,554
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	36	549	585	388
47. Cordwood & Other Firewood.....				2
48. Ties.....				
49. Pulpwood.....				1
50. Lumber, Timber, Box, Crate & Cooperage Material.....	4,122	83,732	87,854	86,087
51. Other Forest Products.....	12,987	40	13,027	5,787
Total 1936.....	17,145	84,321	101,466	
" 1935.....	8,758	83,507		92,265

3. CARGO TONNAGE BY COMMODITIES—*Concluded*

(Tons=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	22,167	215,913	238,080	211,674
53. Petroleum Oils and Other Petroleum Pdts. (except asphalt and gasoline).....	6,998	39,574	46,572	99,301
54. Sugar.....	61,756	9,257	71,013	58,834
55. Iron, Pig and Bloom.....	248	.....	248	35
56. Rails and Fastenings.....	1	110	111	75
57. Iron and Steel (bar, sheet, structural, pipe).....	2,919	1,629	4,548	7,965
58. Castings, Machinery and Boilers.....	1,009	573	1,582	1,581
59. Cement.....	35,755	416	36,171	32,234
60. Brick and Artificial Stone.....	1,163	274	1,437	949
61. Lime and Plaster.....	86	1,060	1,146	1,065
62. Agricultural Implements and Vehicles other than Autos.....	54	2,146	2,200	1,874
63. Sewer Pipe and Drain Tile.....	51	18	69	5
64. Automobiles, Auto Trucks and Auto Parts.....	725	40,336	41,061	33,547
65. Household Goods and Settlers' Effects.....	291	2,932	3,223	2,083
66. Furniture.....	538	639	1,177	666
67. Liquor Beverages.....	2,778	446	3,224	2,119
68. Fertilizers, all kinds.....	7,299	3,145	10,444	8,244
69. Newsprint Paper.....	2,737	41,110	43,847	35,486
70. Other Paper.....	1,162	2,231	3,393	2,784
71. Paper Board, Pulpwood and Wall-board (paper).....	80	8,654	8,734	9,581
72. Wood Pulp.....	1	1,329	1,330	153
73. Fish (fresh, frozen, cured, etc.).....	40,363	25,085	65,448	64,953
74. Canned Goods (all canned food pdts. except meats).....	8,418	6,559	14,977	14,857
75. Other Manufactures and Miscellaneous.....	62,896	80,834	143,730	150,613
Total 1936.....	259,495	484,270	743,765	.....
“ 1935.....	256,320	484,358	.....	740,678
Grand Total 1936.....	1,260,100	880,358	*2,140,458	.....
“ 1935.....	1,212,386	983,443	.....	2,195,819
COMMODITY GROUP—				
Agricultural.....	153,986	232,644	386,630	435,159
Animal.....	10,647	21,792	32,439	27,173
Mine.....	818,827	57,331	876,158	900,554
Forest.....	17,145	84,321	101,466	92,265
Manufactures and Miscellaneous.....	259,495	484,270	743,765	740,678
Total.....	1,260,100	880,358	*2,140,458	2,195,829

*Exclusive of cross harbour movements and bunkering, included in figures for previous years.

4. PASSENGER TRAFFIC

Number of passengers	Inward	Outward	Total
(a) Foreign.....	9,581	8,185	17,766
(b) Coastwise.....	96	190	286
Total 1936.....	9,677	8,375	18,052
“ 1935.....	11,055**	10,814	21,869
“ 1934.....	12,909**	13,069	25,978
“ 1933.....	13,376**	15,052	32,428
“ 1932.....	29,215**	29,023	58,238

** These figures not complete, as records not available for privately-owned Piers 1932-1935 inclusive.

5. GRAIN ELEVATOR *

Mode of transport	Receipts	Shipments	Total
	(Bush.)	(Bush.)	(Bush.)
Water.....	1,978,754	2,216,969	4,195,723
Rail.....	1,625,381	877,661	2,503,042
Others.....		311,000	311,000
Total 1936.....	3,604,135	3,405,630	7,009,765
“ 1935.....	3,917,678	4,785,678	8,703,356
“ 1934.....	3,407,715	2,517,046	5,924,761
“ 1933.....	2,817,367	2,741,797	5,559,164
“ 1932.....	2,562,080	1,695,420	4,257,500

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

In addition to the ordinary maintenance of Harbour properties, which represented the annual overhauling and running repairs to docks, transit sheds, grain elevators and conveyors, paved roadways, cold storage buildings and equipment, water supply, heating and drainage systems, several major maintenance projects were undertaken in 1936 which represented the partial replacement of original facilities deteriorated by age or use in Halifax Harbour.

The boiler settings of the central heating plant, Pier No. 2, D.W.T. were rebuilt and equipment reset by contract with Messrs. O'Connell & Vaughan. Additional concrete piling in the substructure of Pier No. 2 D.W.T. were reconditioned and partially replaced under contract with Gunite and Waterproofing Limited. Replacement of damaged concrete and the waterproofing of the walls in the storage bins of the grain Elevator was done under contract with Gunite and Waterproofing Limited.

At the Cold Storage Terminal, part of the second story floor was replaced, the building walls repaired and roof flashings replaced, and in the power plant and ice making plant, condenser was retubed; ice crushing equipment replaced and water filter addition made; while to meet a much increased demand for accommodation from the food fish industry, brine freezing equipment was installed and changes and additions made to the refrigeration in the fish storage building. All of these major maintenance replacements extended the life and increased the efficiency of these facilities.

CAPITAL WORKS

Provision Cargo Handling and Fire Prevention Equipment, Pier "B" Sheds.—Under this Item all cargo handling and fire prevention equipment provided for was installed in Pier "B" sheds, at the end of 1935, except tractors, trailers and fire alarm signal equipment. The balance of fire alarm signal equipment was provided and installed in January, 1936.

Construction of Extension to Pier No. 9—Richmond Terminals.—In February, 1935, a contract was let to J. P. Porter & Sons, Ltd., for the construction of a 730 foot extension to Pier No. 9 Richmond Terminals, consisting of a timber crib substructure and concrete superstructure. At the 31st of December, 1935, all items of work except the filling of the area in rear and the construction of the required drainage system were completed. Work on the latter items was carried on during January, February and March, 1936, and completed on March 31st, 1936. The Contractor being required to maintain the works for six months after completion, did some grading and trimming during the summer of 1936.

Building Repairs.—Works of a minor character were completed in 1936, these comprising the reconditioning of the walls of the Fish Processing Building, and the walls and roof of the Cold Storage Terminal Building, as well as the bin walls of the Grain Elevator storage annexes.

Removal Foundation Cribs Pier 2.—The removal of the foundation cribs of old Pier No. 2, Deep Water Terminals was put under contract with J. P. Porter & Sons, Ltd., in 1935. The removal of these cribs was done to improve berthing accommodation at Berth No. 3 and to eliminate a menace to navigation and was completed in January, 1936.

Pier No. 9 Repairs.—Repairs to the timber crib work of the South end of Pier No. 9 Richmond Terminals, were placed under contract in October, 1935, with J. R. Walker, Ltd. These repairs were completed in January, 1936, when the work was accepted and final payment made thereon.

REVENUES AND EXPENDITURES

Operating revenues in 1936 amounted to \$510,179, exceeding those of 1935 by \$9,243, or 1·8%. Operating and maintenance expenses were \$433,040, being below those of the preceding year by \$71,811, or 14·2%. After payment of interest due the public, there resulted a cash deficit of \$14,934. The net income deficit for the year was \$686,665 after charging reserve for replacements, reserve for bad debts and interest due the Dominion Government.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

OPERATING REVENUES—

Wharves and Sheds Division.....	\$	294,467	10
Elevator System.....		83,539	22
Cold Storage System.....		120,608	87
Miscellaneous.....		11,564	87
			<u>\$ 510,179 66</u>

OPERATING EXPENSES—

Administration.....		63,270	83
Operation and Maintenance—			
Wharves and Sheds Division.....	\$	207,170	53
Elevator System.....		56,646	81
Cold Storage System.....		105,952	03
			<u>\$ 369,769 37</u>
			<u>\$ 433,040 20</u>

Income available for Interest due Public.....	77,139	46
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INTEREST DUE PUBLIC.....		92,073	79
			<u>\$ 14,934 33</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....		200,000	00
Reserve for Bad Debts.....		2,737	87
Interest due Dominion Government.....		468,993	76
			<u>671,731 63</u>

Net Income Deficit.....	\$	686,665	96
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Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1936

ASSETS		LIABILITIES	
	\$ cts.		\$ cts.
FIXED—		DEBTURE INDEBTEDNESS TO PUBLIC—	
Harbour Development in General.....	239,370 14	DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	2,989 27	Loans and Advances (interest bearing).....	9,518,441 30
Wharves, Piers and Basins.....	5,839,480 83	Expenditures under appropriations.....	14,761,082 55
Plant and Facilities.....	184,605 12		
Grain Elevator System.....	2,108,981 58	CONTRACTORS' HOLDBACKS—CONSTRUCTION—	
Permanent Sheds and Facilities.....	3,046,775 93	CURRENT—	
Cold Storage System.....	1,735,659 21	Accounts Payable.....	36,673 88
Office Furniture and Fixtures.....	25,963 56	Salaries and Wages Payable.....	4,366 92
Operating Equipment.....	21,001 41	Matured Interest unpaid:	
Property transferred from Railways and		Due Public.....\$ 2,355 00	
Canals Dept. (Undistributed).....	12,858,282 27	Due Government.....1,785,470 86	
Expenditures under Public Works Con-			
sultion Act (Undistributed).....	894,924 20	Accrued Interest due Public.....	1,787,825 86
			13,321 70
		CONTRACTORS' HOLDBACKS—MAINTENANCE—	
CURRENT—		CONTRACTORS' SECURITY DEPOSITS—CONTRA-	
Cash—Receiver General of Canada.....	36,610 88	RESERVES—	
Accounts Receivable.....\$ 104,079 33		Replacement.....	200,000 00
Less: Reserve for Bad Debts 2,850 00		Fire and General Insurance.....	1,410 00
Advances due on Deficit Account.....	101,229 33	SURPLUS AND DEFICIT ACCOUNT—	
Stores on Hand.....	5,405 70	Deficit as at December 31, 1935.....	376,321 23
Accrued Grain Charges.....	20,199 72	Interest due Dominion Govt. to Dec. 31,	1,316,477 10
	20,164 99	1935.....	
		Transferred from Interest re Pier "B" Shed	33,751 85
SECURITY DEPOSITS.....		at December 31, 1935.....	686,665 96
FIRE AND GENERAL INSURANCE FUND.....		Net Income Deficit for 1936.....	
MISCELLANEOUS FUNDS.....			2,413,216 14
PREPAID CHARGES.....		Deduct:	
		Government Grants for	
		Operating Deficits:	
		Vote 303, 1935-36.....\$ 573,227 50	
		Vote 509, 1936-37.....14,934 33	
		Adjustment in 1936.....313 34	
			588,475 17
			<u>1,824,740 97</u>
			<u>\$ 27,199,553 78</u>
			<u>\$ 27,199,553 78</u>

HARBOUR OF SAINT JOHN

TRAFFIC

Shipments of general cargo through the port, both exports and imports, exceeded all previous years since 1927 when the harbour facilities came under Dominion authority. The increase in imports was principally in bituminous coal, corn, gasoline, raw sugar and general merchandise. The increase in exports was principally in copper, flour, lumber, vegetables, wheat and general merchandise.

Cargo tonnage in 1936, overseas and coastwise, totalled 1,724,361 tons as compared with 1,428,715 tons in 1935, an increase of 295,646 tons, which is 20%.

Grain exported exceeded all years since 1929, 12,311,139 bushels being exported in 1936 as compared with 6,803,820 in 1935.

1. SHIPPING

Classification	Number of Vessels	Register (Net tons)
(a) Arrivals—		
1. Overseas.....	568	1,617,181
2. Coastwise.....	1,395	804,465
Total 1936.....	1,963	2,421,646
“ 1935.....	1,959	2,352,790
“ 1934.....	2,051	2,501,963
“ 1933.....	1,912	2,257,455
“ 1932.....	1,628	2,082,954
(b) Departures—		
1. Overseas.....	557	1,682,243
2. Coastwise.....	1,383	726,995
Total 1936.....	1,940	2,409,238
“ 1935.....	1,945	2,324,870
“ 1934.....	2,041	2,462,536
“ 1933.....	1,906	2,252,900
“ 1932.....	1,620	2,031,073
(c) Total Shipping—		
1. Overseas.....	1,125	3,299,424
2. Coastwise.....	2,778	1,531,460
Total 1936.....	3,903	4,830,884
“ 1935.....	3,904	4,677,660
“ 1934.....	4,092	4,964,499
“ 1933.....	3,818	4,510,356
“ 1932.....	3,248	4,114,027

2. CARGO TONNAGE

(Tons=2,000 lbs.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
(a) Foreign.....	425,514	918,322	1,343,836
(b) Coastwise.....	279,014	101,511	380,525
(c) Local.....	No record	No record	No record
Total 1936.....	704,528	1,019,833	1,724,361
“ 1935.....	620,303	808,412	1,428,715
“ 1934.....	633,042	832,782	1,465,824
“ 1933.....	577,867	663,283	1,241,150
“ 1932.....	554,859	546,842	1,010,701

3. CARGO TONNAGE BY COMMODITIES

(Tons=2,000 lbs)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....		345,010	345,019	162,185
2. Corn.....	21,568		21,568	9,267
3. Oats.....		4,307	4,307	2,791
4. Barley.....		5,702	5,702	6,026
5. Rye.....				480
6. Flaxseed.....				
7. Other grain.....				10,776
8. Flour.....	402	64,078	64,480	59,003
9. Other Mill Products.....	273	11,364	11,637	6,524
10. Hay and Straw.....		3,520	3,520	1,070
11. Cotton.....	7,359		7,359	8,028
12. Apples (fresh).....		4,022	4,022	4,040
13. Other Fruit (fresh).....	19,753	263	20,016	17,624
14. Potatoes.....		17,194	17,194	10,495
15. Other Fresh Vegetables.....	8,779	11,085	19,864	8,183
16. Other Agricultural Products.....	22,984	2,799	25,783	6,215
Total.....	81,118	469,353	550,471	312,707
<i>Animal Products</i>				
17. Horses.....	7		7	1
18. Cattle and calves.....		3,555	3,555	2,482
19. Sheep.....				
20. Hogs.....				
21. Dressed Meats (fresh).....		11,856	11,856	11,431
22. Dressed Meats (cured, salted, canned).....	433	13,307	13,740	14,319
23. Other Pack. House Products (edible).....	368	9,785	10,153	16,369
24. Poultry.....		506	506	120
25. Eggs.....		1	1	7
26. Butter.....				3
27. Cheese.....	89	220	309	274
28. Wool.....		384	384	
29. Hides and Leather.....		552	552	979
30. Other Animal Products (non-edible).....	915	78	993	1,707
Total.....	1,812	40,244	42,056	47,692
<i>Mine Products</i>				
31. Anthracite Coal.....	79,072		79,072	88,040
32. Bituminous Coal.....	142,973	963	143,936	121,760
33. Lignite Coal.....				
34. Coke.....	638		638	638
35. Iron Ores.....				
36. Copper Ore and Concentrates.....				3
37. Other Ore and Concentrates.....		68	68	
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	10,933	50,391	61,324	43,558
39. Sand and gravel.....		212	212	141
40. Stone (crushed, ground, broken).....				
41. Slate, Dimension or Block Stone.....	576		576	203
42. Crude Petroleum.....				
43. Asphalt (natural, by-product petroleum).....				
44. Salt.....	3,609		3,609	4,193
45. Other Mine Products.....	4,152	3,296	7,448	10,618
Total.....	241,953	54,930	296,883	269,154
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....		1	1	7,851
47. Cordwood and Other Firewood.....				
48. Ties.....				
49. Pulpwood.....				6,521
50. Lumber, Timber, Box, Crate and Cooperage Material.....	6,097	133,406	139,503	119,886
51. Other Forest Products.....	141		141	
Total.....	6,238	133,407	139,645	134,258

3. CARGO TONNAGE BY COMMODITIES—*Concluded*

(Ton=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	68,272	10,855	79,127	66,012
53. Petroleum Oils & Other Petroleum Pdts. (Except Asphalt & Gasoline).....	27,263	1,771	29,034	39,962
54. Sugar.....	92,864	20,151	113,015	98,445
55. Iron, Pig and Bloom.....		583	583	448
56. Rails and Fastenings.....		13,890	24,899	14,192
57. Iron and Steel (Bar, Sheet, Structural, Pipe)....	11,009	4,025	6,702	8,309
58. Castings, Machinery and Boilers.....	2,677	43	67	25
59. Cement.....	24		1,490	1,842
60. Brick and Artificial Stone.....	1,490	150	161	1,155
61. Lime and Plaster.....	11			
62. Agricultural Implements and Vehicles, other than Autos.....	1,410	3,298	4,708	3,169
63. Sewer Pipe and Drain Tile.....	104		104	
64. Automobiles, Auto Trucks and Auto Parts.....	1,354	63,102	64,456	89,805
65. Household Goods and Settlers' Effects.....	349	159	508	197
66. Furniture.....		30	30	104
67. Liquor Beverages.....	1,411	43	1,454	786
68. Fertilizers, all kinds.....	33,154	407	33,561	23,053
69. Newsprint Paper.....	153	42,456	42,609	56,380
70. Other Paper.....	1,024	600	1,624	1,568
71. Paper Board, Pulpboard and Wallboard (paper)...	85	9,572	9,657	5,617
72. Wood Pulp.....	2,508	23,738	26,246	3,219
73. Fish (fresh, frozen, cured, etc.).....	694	1,398	2,092	7,190
74. Canned Goods (all canned Food Products except meats).....	2,159	1,512	3,671	10,791
75. Other Manufactures and Miscellaneous.....	125,392	124,116	249,508	232,635
Total.....	373,407	321,899	695,306	664,904
Grand Total.....	704,528	1,019,833	1,724,361	1,428,715
COMMODITY GROUP—				
Agricultural.....	81,118	469,353	550,471	312,707
Animal.....	1,812	40,244	42,056	47,692
Mine.....	241,953	54,930	296,883	269,154
Forest.....	6,238	133,407	139,645	134,258
Manufactures and Miscellaneous.....	373,407	321,899	695,306	664,904
Total.....	704,528	1,019,833	1,724,361	1,428,715

4. PASSENGER TRAFFIC

Number of Passengers	Inward	Outward	Total
(a) Foreign (June 1-Dec. 31).....	13,848	13,920	27,768
(b) Coastwise (June 1-Dec. 31).....	19,161	17,093	36,254
Total 1936.....	33,009	31,013	64,022

(Figures for previous years not available).

5. GRAIN ELEVATORS

Mode of Transport	Receipts	Shipments	Total
	(Bus.)	(Bus.)	(Bus.)
Water.....	705,195	11,908,934	12,614,129
Rail.....	11,949,590	402,205	12,351,795
Others.....	No record	No record	No record
Total 1936.....	12,654,785	12,311,139	24,965,924
" 1935.....	6,961,250	6,803,820	13,765,070
" 1934.....	7,905,841	6,586,845	14,492,686
" 1933.....	6,039,407	6,660,793	12,700,205
" 1932.....	6,919,867	6,310,860	13,230,727

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Maintenance work in Saint John Harbour during 1936 consisted of annual upkeep and repairs to docks, sheds, roads, grain elevator and conveyor system, heating plants, sewers and water supply system. Decks of timber wharves were renewed, fixed fender timbers replaced and floating fenders overhauled and damaged parts repaired; shed roofs, doors and floors were repaired and steel work painted; grain conveyor gallery steel work was painted and elevator equipment overhauled; boiler stacks, piping and equipment of heating plants were reconditioned and water supply and fire protection pipe and fittings overhauled, repaired and replaced.

As major maintenance operations carried on by contract:—all West side berths were dredged and heavy accumulation of silt removed; grain ship loaders were overhauled and changes made to improve operation and new brick stacks were constructed for central heating plants. In addition the Port maintenance forces renewed timber in track trestle of Long wharf—replaced entire electric lighting installation at Long wharf and made emergency repairs and replacements to wharves damaged by vessels.

CAPITAL WORKS

Berths 1, 2, 3 and 4.—The reconstruction of Berths 1, 2, 3 and 4, in Saint John Harbour, a Capital project initiated under Item No. 153 of the Public Works Construction Act, 1934, was carried on under two contracts: one covering the Demolition and removal of the original wharves, destroyed by fire in 1931, and the other contract covering the Reconstruction of new wharves.

The Demolition contract was awarded the Saint John Drydock and Ship-building Company in 1934, when the removal of the original structures in Berths 1, 2, 3 and 4 was started and the dredging in 1936 completed the required excavation over the site of the new structures. The work remaining to be done in 1937 is the dredging of Berths 1, 2, 3 and 4 to final grade after the completion of the Reconstruction Contract.

The contract for the Reconstruction of Berths 1, 2, 3 and 4 and Sand Point Slip Bulkhead was awarded the Foundation Company of Canada, Limited, on June 20th, 1935, this work being initiated also under Item No. 153 of the Public Works Construction Act, 1934. As the type of dock utilized precast concrete cylinders for the substructure, the Contractor started the casting of cylinders in the Drydock at East Saint John, and the construction of the Bulkheads at the inner end of Berth 4, and at the South end of Berth No. 1. At the end of 1935, the two bulkheads were completed.

Beginning in January, 1936, the Contractor concentrated on the placing and sinking of cylinders in Berth No. 4, and at the beginning of March had about 56 cylinders placed and approximately half of these sunk to rock, and a start was then made, driving the timber piling for the back wall and pile clusters in rear of the cylinders. On March 21st, 1936, it was found that the cylinders in the West end of Berth No. 4, in front of the area in which piles were being driven, were tilting forward. On being instructed to take steps to prevent the further movement of cylinders, the Contractor disclaimed all responsibility for safeguarding his work and suspended all construction operations on March 24th, 1936, claiming that, on account of the unstable nature of the material in which the new structures were being founded the works could not be constructed

without changes in design. After an extended study of the situation, it was decided to add a relieving platform in rear of the dock structure for its whole length and to use rock instead of gravel for the support and protection of the dredged slope, and a Work Order was issued on May 15th to cover. The additional excavation for the relieving platform was started on May 16th and finished at the West end of Berth No. 4 at the end of July, 1936. The driving of piles in the relieving platform was started on May 12th at the South end Berth No. 1, and at the end of December, 1936, was completed for Berths 1, 2 and 3, and in Berth No. 4 approximately half finished. In the same period the pile clusters were completed in Berths 1, 2 and 3 and all except about 14 clusters in Berth No. 4.

Cylinder casting in the drydock was resumed in April and on September 16th, 1936, the casting of the 208 cylinders required for the whole work was completed. The precast concrete cylinders, brought to the work from the casting yard by a floating derrick, were placed in position in berths 1, 2 and 3 as the driving of piles in the relieving platform and clusters permitted. By November 2nd all the concrete cylinders were in position and at the 31st of December, 1936, there were 203 cylinders sunk to rock surface, leaving only five cylinders on which further sinking was required to bring them to contact with the rock. The placing of rockfill and stone protection followed the driving of the relieving platform and cluster piling and the placing and sinking of cylinders. At the end of December, 1936, the work was completed for approximately two-thirds of Berth No. 1 and half of Berths 2 and 3—with no stone placed in Berth 4. The placing of concrete in the wharf superstructure was started on July 20th in Berth No. 1, and then extended to Berths 2 and 3, in order to provide additional working areas for the application of the wharf deck slab. At the beginning of September the pouring of deck slab at Berth No. 1 was started and at the end of December, 1936, 330 feet of Berth 1 and 360 feet of Berths 2 and 3 dock were completed.

REVENUES AND EXPENDITURES

Operating revenues in 1936 amounted to \$367,448, exceeding those of 1935 by \$44,493, or 13.7%. Operating and maintenance expenses were \$256,380, showing a decrease from the previous year of \$16,480, or 6%. After payment of interest on securities in the hands of the public, there was a cash deficit of \$20,141. The net income deficit for the year was \$919,977 after charging reserve for replacements and interest due Dominion Government.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

OPERATING REVENUES:	\$	cts.	\$	cts.	\$	cts.
Wharves and Sheds Division.....			249,343	94		
Elevator System.....			80,714	51		
Miscellaneous including Harbour Dues.....			37,390	33		
					367,448	78
OPERATING EXPENSES:						
Administration.....			38,360	45		
Operation and Maintenance:						
Wharves and Sheds Division.....	150,029	70				
Elevator System.....	54,932	43				
Miscellaneous.....	13,057	71				
			218,019	84		
					256,380	29
Income Available for Interest due Public.....					111,068	49
INTEREST DUE PUBLIC.....					131,209	78
					20,141	29
OTHER INCOME REQUIREMENTS:						
Reserve for Replacements.....			200,000	00		
Interest due Dominion Government.....			699,836	08		
					899,836	08
Net Income Deficit.....					919,977	37

Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1936

NATIONAL HARBOURS BOARD

23

ASSETS

Fixed:	\$	cts.
Harbour Dredging.....	917	212 72
Real Estate.....	1,758,867	14
Vehicular Bridges.....	30	107 37
Roads, Fences and Boundaries.....	118,218	48
Wharves and Piers.....	13,084,386	65
Permanent Sheds.....	1,825,823	74
Railway System.....	191,318	76
Elevator System.....	3,984,156	10
Office Furniture and Appliances.....	6,017	80
Harbour Buildings.....	5,800	00
Floating Equipment.....	1,760	00
Shore Equipment.....	26,663	25
Miscellaneous Small Plant and Equipment..	8,146	25

CURRENT:		
Cash—Receiver General of Canada.....	20,871	14
Royal Bank—Special Account.....	1,424,865	62
Accounts Receivable.....	44,672	28
Advances due on Deficit Account.....	20,141	29
Stores on Hand.....	7,137	61
Accrued Grain Storage.....	6,118	41
	21,958,478	26

FIRE AND GENERAL INSURANCE FUND

	\$	cts.
	9,600	00
MISCELLANEOUS FUNDS.....	54	00
PREPAID CHARGES.....	3,005	08

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....	\$	cts.
DOMINION GOVERNMENT ACCOUNT:		
Loans and Advances—Capital (Interest bearing).....	13,720,330	42
Loans and Advances—Operation (Interest bearing).....	321,847	88
Expenditure under Appropriations.....	4,905,100	16

CURRENT:		
Accounts Payable.....	7,902	34
Matured Interest Unpaid:		
Due Public.....	\$	5,952 80
Due Dom. Gov't.....	2,599,422	71

Advances from Dominion Gov't. re redemption 3% Debentures.....	2,605,375	51
Accrued Interest due Public.....	1,424,865	62
	45,108	01

CONTRACTORS' HOLDBACKS—MAINTENANCE.....	4,083,251	48
RESERVES:		
Replacement.....	200,000	00
Fire and General Insurance.....	9,600	00
DEFERRED CREDITS.....	209,600	00
	10,651	21

SURPLUS AND DEFICIT ACCOUNT:		
Deficit as at Dec. 31, 1935.....	26,541,651	53
Transferred from Capital. Bond Interest...	29,715	77
Adjustment of Matured Interest.....	196,707	03
Capital Assets written off.....	7,674	18
Gov't Interest to Dec. 31, 1935.....	13,188	15
Net Income Deficit for 1936.....	1,899,586	63
	919,977	37
	3,066,849	13

Deduct:		
Gov't Grant re 1936 Deficit.....	20,141	29
	3,046,707	84
	23,494,943	69

HARBOUR OF CHICOUTIMI

TRAFFIC

Cargo tonnage in 1936 totalled 84,734 tons, as compared with 46,315 tons in 1935. The increase is largely accounted for by larger importations of coal, which totalled 51,479 tons as compared with 25,795 tons in the previous year.

1. SHIPPING

Classification	Number of Vessels	Register (Net Tons)
(a) Arrivals—		
1. Overseas.....	14	18,174
2. Coastwise.....	191	24,944
Total 1936.....	205	43,118
“ 1935.....	173	36,394
“ 1934.....	161	34,062
“ 1933.....	156	25,968
“ 1932.....	154	24,735
(b) Departures—		
1. Overseas.....	3	6,100
2. Coastwise.....	198	35,808
Total 1936.....	201	41,908
“ 1935.....	173	36,345
“ 1934.....	162	34,241
“ 1933.....	154	25,739
“ 1932.....	154	24,735
(c) Total Shipping—		
1. Overseas.....	17	24,274
2. Coastwise.....	389	60,752
Total 1936.....	406	85,026
“ 1935.....	346	72,739
“ 1934.....	323	68,303
“ 1933.....	310	52,707
“ 1932.....	308	49,470

2. CARGO TONNAGE

(Tons=2,000 lbs.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
(a) Foreign.....	26,406	3,519	29,925
(b) Coastwise.....	41,030	2,289	43,319
(c) Local.....			1,490
Total 1936.....	67,436	5,808	74,734
“ 1935.....	41,190	5,125	46,315
“ 1934.....	49,412	2,319	51,731
“ 1933.....	25,617	1,999	27,616
“ 1932.....	28,916	1,463	30,379

3. CARGO TONNAGE BY COMMODITIES

(Tons=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	10		10	
2. Corn.....	75		75	52
3. Oats.....	102		102	47
4. Barley.....				
5. Rye.....				
6. Flaxseed.....				
7. Other Grains.....				
8. Flour.....	981		981	1,031
9. Other Mill Products.....	1,725		1,725	487
10. Hay and Straw.....				
11. Cotton.....				
12. Apples (fresh).....				
13. Other Fruit (fresh).....				
14. Potatoes.....	289		289	
15. Other Fresh Vegetables.....	188	9	197	488
16. Other Agricultural Products.....	30		30	
Total.....	3,400	9	3,409	2,141
<i>Animal Products</i>				
17. Horses.....				
18. Cattle and Calves.....				
19. Sheep.....				
20. Hogs.....				
21. Dressed Meats (fresh).....				
22. Dressed Meats (cured-salted-canned).....				
23. Other Packing House Products (edible).....	109		109	26
24. Poultry.....				
25. Eggs.....				
26. Butter.....	180	623	803	582
27. Cheese.....				
28. Wool.....	79	—	79	—
29. Hides and Leather.....		80	80	77
30. Other Animal Products (non-edible).....				
Total.....	368	703	1,071	685
<i>Mines Products</i>				
31. Anthracite Coal.....	5,585		5,585	8,840
32. Bituminous Coal.....	45,894		45,894	16,955
33. Lignite Coal.....				
34. Coke.....				
35. Iron Ores.....				
36. Copper Ores and Concentrates.....				
37. Other Ores and Concentrates.....				
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....				
39. Sand and Gravel.....				
40. Stone (crushed, ground, broken).....	1	141	142	221
41. Slate, Dimension or Block Stone.....				
42. Crude Petroleum.....				
43. Asphalt (natural, by-product petroleum).....				
44. Salt.....	924		924	470
45. Other Mine Products.....	1,131		1,131	1,012
Total.....	53,535	141	53,676	27,498
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....				
47. Cordwood and other Firewood.....	1,400		1,400	2,753
48. Ties.....				
49. Pulpwood.....				
50. Lumber, Timber, Box, Crate and Cooperage Material.....	285	120	405	496
51. Other Forest Products.....				
Total.....	1,685	120	1,805	3,249

3. CARGO TONNAGE BY COMMODITIES—*Concluded*

(Tons—2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....				
53. Petroleum Oils and Other Petroleum Pdts. (except asphalt and gasoline).....	416	2	418	111
54. Sugar.....	2,254		2,254	887
55. Iron, pig and Bloom.....				
56. Rails and Fastenings.....				
57. Iron and Steel (bar, sheet, structural, pipe).....				7
58. Castings, Machinery and Boilers.....				6
59. Cement.....				
60. Brick and Artificial Stone.....				
61. Lime and Plaster.....				
62. Agricultural Implements and Vehicles other than Autos.....				
63. Sewer Pipe and Drain Tile.....				
64. Automobiles, Auto Trucks and Auto Parts.....	54	7	61	45
65. Household Goods and Settlers' Effects.....	25		25	24
66. Furniture.....	100	68	168	244
67. Liquor Beverages.....	1,095	223	1,318	1,520
68. Fertilizers, all kinds.....	45	28	73	128
69. Newsprint Paper.....	1	3,913	3,914	2,698
70. Other Paper.....				
71. Paper Board, Pulpboard and Wallboard (paper).....				
72. Wood Pulp.....				
73. Fish (fresh, frozen, cured, etc.).....				
74. Canned Goods (all canned food pdts. except meats).....	260		260	148
75. Other Manufactures and Miscellaneous.....	5,688	594	6,282	6,926
Total.....	9,938	4,835	14,773	12,742
Grand Total.....	68,926	5,808	* 74,734	46,315
COMMODITY GROUP—				
Agricultural.....	3,400	9	3,409	2,141
Animal.....	368	703	1,071	685
Mine.....	53,535	141	53,676	27,498
Forest.....	1,685	120	1,805	3,249
Manufactures and Miscellaneous.....	9,938	4,835	14,773	12,742
Total.....	68,926	5,808	* 74,734	46,315

*Includes 1,490 tons local.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs as required for the operation of facilities in the Harbour, were carried out during the year on the wharves, roads, fenders, sheds, railway system, water system and floating equipment.

St. Fulgence Wharf.—The only item of major maintenance work carried out during the year was the work on the St. Fulgence Wharf when the timber under structure near the shore-end was repaired, fenders and sheeting were replaced and a new timber deck was put on the whole wharf.

CAPITAL WORKS

No projects were carried on in Chicoutimi Harbour as Capital Works during the Calendar Year 1936.

REVENUES AND EXPENDITURES

Operating revenues for 1936 amounted to \$21,307, as compared with \$13,328 in 1935. Operating expenses totalled \$18,639, being \$1,762 less than in 1935. After taking into account miscellaneous income credits and payment of interest due the public, there was a cash deficit for the year of \$1,840. After adding to the latter amount, reserve for replacements, reserve for bad debts and interest due the Dominion Government, there resulted a net income deficit of \$210,445.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

OPERATING REVENUES—

Wharves and Sheds Division.....	\$ 19,968 62	
Railway System.....	294 00	
Miscellaneous.....	1,044 92	
	<hr/>	\$ 21,307 54

OPERATING EXPENSES—

Administration.....	11,113 07	
Operation and Maintenance—		
Wharves and Sheds Division.....	\$ 6,268 97	
Railway System.....	1,234 45	
Miscellaneous.....	22 52	
	<hr/>	7,525 94
		<hr/>
		\$ 18,639 01

Operating Income.....	\$ 2,668 53
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MISCELLANEOUS INCOME CREDITS.....	<hr/>	3,722 04
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Income available for Interest due Public.....	\$ 6,390 57
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INTEREST DUE PUBLIC.....	8,231 16
	<hr/>
	\$ 1,840 59

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	30,000 00	
Reserve for Bad Debts.....	1,675 06	
Interest due Dominion Government.....	176,930 00	
	<hr/>	\$ 208,605 06

Net Income <i>Deficit</i>	<hr/>	\$ 210,445 65
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Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1936

ASSETS		LIABILITIES	
FIXED—		DEBTURE INDEBTEDNESS TO PUBLIC.....\$ 257,000 00	
Harbour Dredging.....	\$ 24,557 46	DOMINION GOVERNMENT ACCOUNT—	
Roads, Fences and Boundaries.....	38,285 70	Loans and Advances (interest bearing).....	\$ 3,538,600 00
Wharves and Piers.....	4,085,767 94	Expenditures under Appropriations.....	555,048 90
Permanent Sheds.....	119,500 07		<u>\$4,093,648 90</u>
Railway System.....	49,057 40		
Water Supply System.....	16,624 13		
Floating Equipment.....	16,856 20		
	<u>\$ 4,350,648 90</u>		
CURRENT—			
Cash—Receiver General of Canada.....	3,285 40	Accounts payable.....	4,377 17
Accounts Receivable.....	\$ 6,326 21	Salaries and Wages Payable.....	13 00
Less:		Matured Interest unpaid:	
Reserve for Bad Debts.....	<u>1,703 86</u>	Due Dominion Government.....	857,099 55
		Accrued Interest:	
		Due Public.....	<u>2,570 00</u>
			864,059 72
		RESERVES—	
		Replacement.....	30,000 00
		Fire and General Insurance.....	<u>500 00</u>
			\$ 5,245,208 62
PIPE AND GENERAL INSURANCE FUND.....	500 00		
		SURPLUS AND DEFICIT ACCOUNT—	
		Deficit as at Dec. 31, 1935.....	\$ 24,658 50
		Adjustments in 1936.....	931 18
		Interest due Dom. Govt. to Dec. 31, 1935.....	680,169 55
		Transfer of Maintenance Charges in Suspense	
		Account.....	5,788 10
		Deficit as per Income Statement.....	<u>210,445 65</u>
			\$ 921,992 98
		Deduct:	
		Government Grants:	
		For 1935 operations.....	\$ 34,000 42
		For 1936 operating deficit..	<u>1,840 59</u>
			35,841 01
			<u>886,151 97</u>
			<u>\$ 4,359,056 65</u>

HARBOUR OF QUEBEC

TRAFFIC

Cargo tonnage through the port during the calendar year 1936 totalled 1,856,142 tons, as compared with 1,639,887 tons in 1935. Agricultural products amounted to 347,334 tons, an increase of 132,245 tons over the previous year, mainly accounted for by the quantity of grain received and shipped, which totalled 13,233,653 bushels, as compared with 7,489,683 bushels in 1935. Increases were also recorded in corn, coal, sulphur, asbestos, ores and concentrates.

1. SHIPPING

Classification	No. of Vessels	Register (Net Tons)
(a) Arrivals—		
1. Overseas.....	301	1,910,451
2. Coastwise.....	2,845	2,349,727
Total 1936*.....	3,146	4,260,178
(b) Departures—		
1. Overseas.....	201	883,419
2. Coastwise.....	2,857	3,026,222
Total 1936*.....	3,058	3,909,641
(c) Total Shipping—		
1. Overseas.....	502	2,793,870
2. Coastwise.....	5,702	5,375,949
Total 1936*.....	6,204	8,169,819

*Comparative figures for previous years not available.

2. CARGO TONNAGE

(Tons=2,000 lbs.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
(a) Foreign.....	302,799	419,489	722,288
(b) Coastwise.....	1,012,520	121,334	1,133,854
(c) Local.....	No record	No record	No record
Total 1936.....	1,315,319	540,823	1,856,142
" 1935.....	1,188,774	451,113	1,639,887

3. CARGO TONNAGE BY COMMODITIES

(Tons=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
<i>Agricultural Products</i>	(Tons)	(Tons)	(Tons)	(Tons)
1. Wheat.....	92,462	153,077	245,539	155,885
2. Corn.....	54,180	7,263	61,443	7,595
3. Oats.....	10,897	1,139	12,036	6,602
4. Barley.....	6,051	1,828	7,877	6,199
5. Rye.....				480
6. Flaxseed.....				
7. Other Grain.....	25		25	
8. Flour.....	13,984	35	14,019	24,948
9. Other Mill Products.....	2,070	431	2,501	6,586
10. Hay and Straw.....		20	20	237
11. Cotton.....				
12. Apples (Fresh).....	853	733	1,586	4,062
13. Other Fruit (Fresh).....	102	812	914	1,521
14. Potatoes.....				
15. Other Fresh Vegetables.....	158		158	86
16. Other Agricultural Products.....	1,216		1,216	888
Total.....	181,998	165,338	347,334	215,089
<i>Animal Products</i>				
17. Horses.....				
18. Cattle and Calves.....	70		70	22
19. Sheep.....	16		16	7
20. Hogs.....	1		1	
21. Dressed Meats (Fresh).....				2,910
22. Dressed Meats (Cured-Salted-Canned).....	105		105	193
23. Other Packing House Products (edible).....				112
24. Poultry.....				
25. Eggs.....				
26. Butter.....		61	61	
27. Cheese.....		851	851	1,292
28. Wool.....	14		14	102
29. Hides and Leather.....	47	2	49	121
30. Other Animal Products (Non-edible).....				
Total.....	253	914	1,167	4,759
<i>Mine Products</i>				
31. Anthracite Coal.....	161,686		161,686	152,699
32. Bituminous Coal.....	527,094		527,094	443,198
33. Lignite Coal.....				
34. Coke.....				
35. Iron Ores.....		68,764	68,764	22,808
36. Copper Ore and Concentrates.....				
37. Other Ores and Concentrates.....		18,351	18,351	10,982
38. Base Bullion, Matte, Pig and Ingot (Non-ferrous metals).....		8	8	181
39. Sand and gravel.....				
40. Stone (Crushed, ground, broken).....	4		4	
41. Slate, Dimension or Block Stone.....				
42. Crude Petroleum.....	96,260		92,260	124,074
43. Asphalt (Natural, by-Product Petroleum).....				49
44. Salt.....	8,317		8,317	7,173
45. Other Mine Products.....	28,717	44,754	73,471	52,593
Total.....	822,078	131,877	953,955	813,757
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	800	1,732	2,532	712
47. Cordwood and other Firewood.....				
48. Ties.....	151		151	217
49. Pulpwood.....	108,884	63,032	171,916	207,292
50. Lumber, Timber, Box, Crate and Cooperage Material.....	35,588	13,671	49,259	59,031
51. Other Forest Products.....				284
Total.....	145,423	78,435	223,858	267,536

3. CARGO TONNAGE BY COMMODITIES—*Concluded*

(Tons=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	57,872		57,872	51,144
53. Petroleum Oils and Other Petroleum Products (Except Asphalt and Gasoline).....	12		12	39
54. Sugar.....	3,822		3,822	4,066
55. Iron, Pig and Bloom.....				61
56. Nails and Fastenings.....				
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	1,688	2,111	3,799	2,494
58. Castings, Machinery and Boilers.....	389	271	660	366
59. Cement.....	19,476		19,476	31,582
60. Brick and Artificial Stone.....	180		180	476
61. Lime and Plaster.....	7		7	3
62. Agricultural Implements and Vehicles other than Autos.....	3		3	33
63. Sewer Pipe and Drain Tile.....				
64. Automobiles, Auto Trucks and Auto Parts.....	300	149	449	309
65. Household Goods and Settlers' Effects.....	93	19	112	44
66. Furniture.....	157	4	161	230
67. Liquor Beverages.....	734		734	1,007
68. Fertilizers, all kinds.....	12,571		12,571	10,268
69. Newsprint Paper.....		105,850	105,850	100,000
70. Other Paper.....	52	3	55	156
71. Paper Board, Pulpboard and Wall board (Paper).....		1,520	1,520	5,025
72. Wood Pulp.....		52	52	
73. Fish (Fresh, Frozen, Cured).....	376	38	414	406
74. Canned Goods (all canned food products except meats).....	717	76	793	1,867
75. Other Manufactures and Miscellaneous.....	67,118	54,168	121,286	129,170
Total.....	165,567	164,261	329,828	338,746
Grand Total.....	1,315,319	540,823	1,856,142	1,639,887
COMMODITY GROUP—				
Agricultural.....	181,998	165,336	347,334	215,089
Animal.....	253	914	1,167	4,759
Mine.....	822,078	131,877	953,955	813,757
Forest.....	145,423	78,435	223,858	267,536
Manufactures and Miscellaneous.....	165,567	164,261	329,828	338,746
Total.....	1,315,319	540,823	1,856,142	1,639,887

4. PASSENGER TRAFFIC

Number of passengers		Inward	Outward	Total
(a) Foreign.....		17,164	13,705	30,869
(b) Coastwise.....		28,355	28,492	56,847
Total 1936.....		45,519	42,197	87,716
" 1935.....		44,233	39,381	83,614
" 1934.....		42,587	43,017	85,604
" 1933.....		43,864	45,135	88,999
" 1932.....		40,770	43,605	84,375

5. GRAIN ELEVATOR

Mode of Transport	Receipts	Shipments	Total
	(Bushels)	(Bushels)	(Bushels)
Water.....	5,910,166	5,505,006	11,415,172
Rail.....	201,599	344,381	545,980
Others.....		1,272,501	1,272,501
Total 1936.....	6,111,765	7,121,888	13,233,653
“ 1935.....	4,250,016	3,239,667	7,489,683
“ 1934.....	7,392,453	8,002,138	15,394,591
“ 1933.....	16,792,659	16,716,535	33,509,194
“ 1932.....	4,323,590	5,023,635	9,347,225

6. TERMINAL RAILWAY*

Number of Cars	1936	1935
(a) Received from connecting lines.....	8,916	7,819
(b) Delivered to connecting lines.....	8,927	7,961
(c) Switched locally.....	631	1,127
	18,474	16,907

*Of National Harbours Board only.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Extensive wharf repairs were carried out during the year by Harbour forces, consisting of the necessary excavation, demolishing and replacing parts of timber walls of the wharves in the Outer Basin and the West and North walls of the Inner Basin. Fixed fenders were renewed and aprons repaved where necessary and a total length of 7,900 feet of wharf face was repaired. Maintenance work was carried out on Shed No. 19, including the renewal of flashing, replacing some timbers and painting of shed. Repair work on Sheds 28 and 29 included levelling of floors and replanking most of floor in Shed 28 and North part of shed 29. Outside steel work of Shed “A”, Wolfe’s Cove, was painted. Ordinary maintenance work was carried out on the Elevator system, including painting of Marine Towers, Cross Galleries and Shipping Galleries. Tug *Aviso* was docked; some plates renewed and the bottom scraped and painted. Floating Crane was docked, scraped and painted. Derrick Scows 58 and 70 and Deck Scows 64 and 67 were repaired and caulked. Bascule Bridge was scraped and painted and concrete counter weights reconditioned.

CAPITAL WORKS

Dredging St. Charles River and Outer Louise Basin.—Under date of September 21st, 1935, a contract was entered into with the National Dock and Dredging Corporation Limited, by the Minister of Marine for dredging in the St. Charles River and Outer Louise Basin, under provisions of the Public Works Construction Act, 1935.

Under this contract work was carried on during the season of 1936 and was completed on September 12th, 1936, providing a clear depth of over 35 feet at low water in St. Charles River Estuary, and clear depths in the Outer Louise Basin at low water as follows:

- 29 feet at Berth 19.
- 26 feet at Berth 20.
- 23 feet in centre of the Basin.

Dredging Wolfe's Cove Terminals.—Under date of September 21st, 1935, a contract was entered into with the General Dredging Contractors Limited by the Minister of Marine for dredging to a minimum depth of 35 feet below low water mark of an area in front of the quay wall, and an area in front of the temporary bulkhead, under provisions of the Public Works Construction Act, 1935. Work was carried on under this contract during the season of 1936. On September 26th, 1936, the Contractor completed the work, giving a clear depth of over 35 feet at low water at Wolfe's Cove Terminals.

Pier No. 1 Princess Louise Docks.—Under date of July 24th, 1935, a contract was entered into with L. G. Ogilvie & Company Limited, by the then Acting Minister of Marine, and later assigned to Ogilvie Construction Company, Limited, for the reconstruction of Pier No. 1, under provisions of the Public Works Construction Act of 1935. After careful study of the project as proposed, this contract was cancelled and a new contract under date of September 14th, 1936, was entered into with the Ogilvie Construction Company, Limited, by the Minister of Marine, and later assigned to A. Janin & Company, Limited, for Repairing and Strengthening the West Wall of Pier No. 1, Princess Louise Docks, and the construction of a freight shed.

The work under this contract consists of excavation of material immediately behind the existing concrete cope wall; the driving of wooden bearing piles and the building of a wooden relieving platform 64 feet wide and about 1,000 feet long on the piles; the placing of a concrete anchor wall at the rear of the relieving platform; furnishing and setting of $2\frac{3}{4}$ inch anchor rods, about 100 feet long, in pairs at 10 feet centres between the anchor wall and the existing cope wall; placing rock fill in area immediately behind the cope wall; placing precast concrete cylinders for foundation of shed columns; backfilling the area over the relieving platform; building steel transit shed 520 feet long by 90 feet wide on South end of Pier.

Work was started early in September from the North end of the Pier and at the end of the season, the work of driving bearing piles, building relieving platform, building anchor wall, placing of anchor rods, placing rockfill and backfilling had been carried on for a distance of 340 feet or equivalent to about 30 per cent of these items under the contract.

REVENUES AND EXPENDITURES

Operating revenues in 1936 totalled \$482,542, exceeding those of the previous year by \$16,067 or 3.4%. Operating and maintenance expenses totalled \$673,838, which showed a reduction of \$107,920 or 13.8% from the figure of 1935. After taking into consideration income debits and credits, and after payment of interest due public, the cash deficit for the year was \$212,802. After adding to the latter amount interest due the Government and reserve for replacements, there resulted a net income deficit for the year of \$1,589,457.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

OPERATING REVENUES—

Wharves and Sheds Division.....	\$ 166,057 02	
Railway System.....	50,596 84	
Elevator System.....	145,905 32	
Cold Storage System.....	53,500 89	
Miscellaneous.....	66,482 28	
		\$ 482,542 35

OPERATING EXPENSES—

Administration.....	90,680 25	
Operation and Maintenance—		
Wharves and Sheds Division.....	\$ 243,871 05	
Railway System.....	70,379 65	
Elevator System.....	112,918 04	
Cold Storage System.....	66,209 75	
Miscellaneous.....	89,779 41	
	583,157 90	673,838 15

Operating Income Deficit.....\$ 191,295 80

MISCELLANEOUS INCOME DEBITS AND CREDITS—

Credits Net.....	23,709 52	
Reserve for Bad Debts.....	4,430 70	
		19,278 82
		\$ 172,016 98

INTEREST DUE PUBLIC.....40,785 37
\$ 212,802 35

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	1,176,655 39	
		1,376,655 39
Net Income Deficit.....		\$ 1,589,457 74

BALANCE SHEET AS AT DECEMBER 31, 1936

NATIONAL HARBOURS BOARD

35

ASSETS

Fixed:	\$	cts.
Harbour Dredging.....	3,940,865	55
Real Estate.....	290,532	99
Vehicular Bridges.....	58,436	94
Roads, Fences and Boundaries.....	129,167	35
Sewers and Drains.....	195,933	21
Miscellaneous Structures.....	134,603	77
Wharves and Piers.....	12,502,337	64
Permanent Sheds.....	3,106,849	56
Shed Hoists.....	12,000	00
Railway System.....	836,797	34
Grain Elevator System.....	3,750,573	00
Cold Storage Warehouse.....	24,403	40
Office Furniture and Appliances.....	718,708	37
Harbour Buildings.....	196,735	26
Central Heating Plants.....	11,300	46
Harbour Shops.....	33,958	83
Electric Power System.....	53,450	10
Water Supply System.....	30,251	61
Floating Equipment.....	96,839	00
Shore Equipment.....	68,811	00
Miscellaneous Small Plant and Equipment..	5,686	00
Government Expenditures under Public Works Construction Programs (undistributed).....	1,547,812	44
	<u>27,746,123</u>	<u>82</u>

CURRENT:

Cash-Receiver General of Canada.....	30,187	74
Accounts Receivable.....	\$ 62,761	93
Less:		
Reserve for Bad Debts.....	13,797	27
Advances due from Ottawa.....	40,039	78
Stores on Hand.....	51,956	24
Accrued Rentals.....	3,792	14

FIRE AND GENERAL INSURANCE FUND.

PREPAID CHARGES:		
Insurance.....	767	06
Taxes.....	3,012	33
	<u>3,779</u>	<u>39</u>
	<u>\$ 27,932,848</u>	<u>19</u>

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$	cts.	\$	cts.
Dominion Government Account—				
Loans and Advances (interest bearing).....	26,293,247	01		
Expenditures under Appropriations.....	2,008,825	41		
Government Loans Applied for.....	109	02		
	<u>28,302,181</u>	<u>44</u>		
ACCOUNTS PAYABLE—CONSTRUCTION.....			13,050	00
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....			19,151	02
CURRENT—				
Accounts Payable.....	73,876	93		
Salaries and Wages Payable.....	11,689	05		
Matured Interest Unpaid—	\$ 1,160	00		
Due Public.....	18,621,473	54		
Accrued Interest due Public.....	18,622,633	54		
	<u>5,333</u>	<u>34</u>		
			18,713,532	86
RESERVES—				
Replacement.....	200,000	00		
Fire and General Insurance.....	8,004	42		
	<u>208,004</u>	<u>42</u>		
			48,055,919	74
SURPLUS AND DEFICIT ACCOUNT—				
Surplus as at December 31, 1935.....	282,024	61		
Transferred from Capital Surplus.....	201,465	66		
Government Grants <i>re</i> Deficits prior to 1936	508,828	08		
Government Grant <i>re</i> 1936 Deficit.....	212,802	35		
	<u>1,205,720</u>	<u>70</u>		
Deduct:				
Loss on Retired Assets...\$	265,241	56		
Government Interest to December 31, 1935.....	17,444,818	15		
Claims against Dominion Government written off	2,025,900	32		
Miscellaneous Debits and Credits (net).....	3,374	48		
Net Income Deficit for 1936.....	1,589,457	74		
	<u>21,328,792</u>	<u>25</u>		
			20,123,071	55
			<u>\$ 27,932,848</u>	<u>19</u>

HARBOUR OF THREE RIVERS

TRAFFIC

Cargo tonnage in 1936 was 1,594,624 tons, showing an increase of 463,386 tons over 1935. Grain traffic constituted new business for the port, the first cargo arriving on August 5, 1936. The total of all grains received during the season amounted to 229,813 tons, and the outward movement was 187,764 tons. A total of 426,562 tons of coal was received during 1936 which figure exceeded that of 1935 by 119,019 tons.

1. SHIPPING

Classification	Number Vessels	Register (Net tons)
(a) <i>Arrivals</i> —		
1. Overseas.....	182	377,004
2. Coastwise.....	1,908	1,494,770
Total 1936.....	2,090	1,871,774
“ 1935.....	2,729	1,654,945
“ 1934.....	2,120	1,751,751
“ 1933.....	1,867	1,537,757
“ 1932.....	1,621	1,332,616
(b) <i>Departures</i> —		
1. Overseas.....	186	381,600
2. Coastwise.....	1,904	1,490,174
Total 1936.....	2,090	1,871,774
“ 1935.....	2,729	1,654,945
“ 1934.....	2,120	1,751,751
“ 1933.....	1,867	1,537,757
“ 1932.....	1,621	1,332,616
(c) <i>Total Shipping</i> —		
1. Overseas.....	368	758,604
2. Coastwise.....	3,812	2,984,944
Total 1936.....	4,180	3,743,548
“ 1935.....	5,458	3,309,890
“ 1934.....	4,240	3,503,502
“ 1933.....	3,734	3,075,514
“ 1932.....	3,242	2,665,232

2. CARGO TONNAGE

(Tons=2,000 lbs.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
(a) Foreign.....	186,219	334,041	520,260
(b) Coastwise.....	1,024,554	49,810	1,074,364
(c) Local.....	No record	No record	No record
Total 1936.....	1,210,773	383,851	1,594,624
“ 1935.....	954,729	176,509	1,131,238
“ 1934.....	879,261	164,477	1,043,738
“ 1933.....	542,559	130,937	673,496
“ 1932.....	377,309	82,226	459,535

3. CARGO TONNAGE BY COMMODITIES

(Tons=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	145,702	135,590	281,292	
2. Corn.....	72,742	42,839	115,581	
3. Oats.....	3,152	1,118	4,270	
4. Barley.....	399	399	798	
5. Rye.....				
6. Flaxseed.....	7,818	7,818	15,636	
7. Other Grain.....				
8. Flour.....	1,653		1,653	2,637
9. Other Mill Products.....				
10. Hay and Straw.....		1,742	1,742	737
11. Cotton.....				
12. Apples (fresh).....	579		579	81
13. Other Fruit (fresh).....				
14. Potatoes.....	43		43	40
15. Other Fresh Vegetables.....				
16. Other Agricultural Products.....				
Total 1936.....	232,088	189,506	421,594	
" 1935.....	2,758	737		3,495
<i>Animal Products</i>				
17. Horses.....				
18. Cattle and Calves.....				
19. Sheep.....				
20. Hogs.....				
21. Dressed Meats (fresh).....				
22. Dressed Meats (cured-salted-canned).....				
23. Other Packing House Prod. (edible).....				
24. Poultry.....				
25. Eggs.....				
26. Butter.....				
27. Cheese.....				
28. Wool.....				
29. Hides and Leather.....				
30. Other Animal Prod. (non-edible).....				
Total 1936.....				
" 1935.....				
<i>Mine Products</i>				
31. Anthracite Coal.....	19,073	100	19,173	31,960
32. Bituminous Coal.....	394,358		394,358	272,368
33. Lignite Coal.....				
34. Coke.....	13,131		13,131	3,215
35. Iron Ores.....				
36. Copper Ore and Concentrates.....				
37. Other Ores and Concentrates.....				
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....				
39. Sand and Gravel.....	1,688		1,688	994
40. Stone (crushed, ground, broken).....	6,041		6,041	337
41. Slate, Dimension or Block Stone.....				
42. Crude Petroleum.....				
43. Asphalt (Natural, By-Product Petroleum).....				
44. Salt.....				1,298
45. Other Mine Products.....	61,101	2,745	63,846	42,610
Total 1936.....	495,392	2,845	498,237	
" 1935.....	350,297	2,485		352,782
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....		136	136	1,358
47. Cordwood and other Firewood.....	509		509	1,255
48. Ties.....				
49. Pulpwood.....	446,015		446,015	557,901
50. Lumber, Timber, Box, Crate and Cooperage Material.....	2,903	3,814	6,717	5,062
51. Other Forest Products.....	4		4	
Total, 1936.....	449,431	3,950	453,381	
" 1935.....	560,602	4,974		565,576

3. CARGO TONNAGE BY COMMODITIES—*Concluded*

(Tons=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	10,102		10,102	5,238
53. Petroleum Oils and Other Petroleum Pdts. (except asphalt and gasoline).....				14,050
54. Sugar.....	645		645	339
55. Iron, Pig and Bloom.....				
56. Rails and Fastenings.....				
57. Iron and Steel (bar, sheet, structural, pipe).....	193		193	
58. Castings, Machinery and Boilers.....		40	40	50
59. Cement.....	3,910		3,910	
60. Brick and Artificial Stone.....	173		173	99
61. Lime and Plaster.....				
62. Agricultural Implements and Vehicles other than Autos.....				
63. Sewer Pipe and Drain Tile.....		794	794	43
64. Automobiles, Auto Trucks and Auto Parts.....		1	1	
65. Household Goods and Settlers' Effects.....				
66. Furniture.....				
67. Liquor Beverages.....				
68. Fertilizers, all kinds.....		525	525	315
69. Newsprint Paper.....		175,746	175,746	158,005
70. Other Paper.....		55	55	
71. Paper Board, Pulpboard and Wallboard (paper).....		3	3	
72. Wood Pulp.....		419	419	
73. Fish (fresh, frozen, cured, etc.).....				
74. Canned Goods (all Canned Food Pdts. except meats).....				
75. Other Manufacturers and Miscellaneous.....	18,839	9,967	28,806	31,246
Total 1936.....	33,862	187,550	221,412	
“ 1935.....	41,072	168,313		209,385
Grand Total 1936.....	1,210,773	383,851	1,594,624	
“ 1935.....	954,729	176,509		1,131,238
<i>COMMODITY GROUP—</i>				
Agricultural.....	232,088	189,506	421,594	3,495
Animal.....				
Mine.....	495,392	2,845	498,237	352,782
Forest.....	449,431	3,950	453,381	565,576
Manufactures and Miscellaneous.....	33,862	187,550	221,412	209,385
Total 1936.....	1,210,773	383,851	1,594,624	
“ 1935.....	954,729	176,509		1,131,238

4. GRAIN ELEVATOR

Mode of Transport	Receipts	Shipments	Total
	(Bush.)	(Bush.)	(Bush.)
Water.....	7,879,426	6,421,322	14,300,748
Rail.....		85,246	85,246
Others.....		3,821	3,821
Total 1936.....	7,879,426	6,510,389	14,389,815

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs as required for the operation of facilities in the Harbour were carried out during the year on the wharves, roads, sheds, railway system, water supply, etc. Under date of September 23rd, 1936, a contract was entered into with the Foundation Company of Canada, Limited, for the Reconditioning of the Ferry Wharf and the Canadian National Railway Wharf. These are adjoining portions of a wharf of timber crib construction and the crib timbers above water level had become decayed and some of the back-filling had run out. The work of reconditioning consisted of driving steel sheet piling in front of the old crib structure for a length of 188 feet and tying it back with steel tie rods to concrete anchor blocks, and then filling between the sheet piling and old dock face with crushed rock, also repairing the slipway. The piling used on this work was transferred from surplus equipment at Halifax Harbour and was supplied to the Contractor by the Board. The work was carried out by the Contractor and all completed during the year.

CAPITAL WORKS

Shore Wharf and Shed.—Under date of August 10th, 1934, a contract was entered into with J. P. Porter & Sons, Limited, by the Minister of Marine, for the Construction of New Transit Shed on New Wharves and the Reconstruction of old wooden wharves, roads, Railway tracks and lighting system, under provisions of the Public Works Construction Act, 1934.

This contract covered the reconstruction of about 1,700 linear feet of old wooden wharves, located at the downstream end of the Harbour, by driving reinforced precast concrete piles in the form of a series of arches, in front of the existing crib work to form the substructure for a concrete cope wall, and tying the whole back to a continuous concrete anchor wall by steel tie rods; the construction of a transit shed 400 feet long by 80 feet wide on the new wharf, with concrete floor, steel frame, and cinder block walls; the building of Macadam roads; the furnishing of wharf lighting.

Work under the contract has been carried on during the year and 568 feet of wharf was built at the lower end of the work and all tie rods and filling made; the transit shed 400 feet by 80 feet was built on a timber pile foundation on the new wharf, having a travelling crane and conveyor installed; the wharf lighting was installed; the required railway sidings built; the foundation for all roadways built.

At the end of the year work under the contract was more than 95 per cent completed and 1,734 linear feet of new concrete cope wall and the new transit shed were available, the main item of work still to be done being the Macadam top for the roadways.

REVENUES AND EXPENDITURES

Operating revenues in 1936 amounted to \$122,347, exceeding those of the previous year by \$29,270, or 31.4%. Operating and maintenance expenses totalled \$32,191, showing a decrease of \$15,646 from those of the previous year, or 32.7%. After taking into account miscellaneous income credits and debits, and after paying interest due the public, there was a surplus of \$86,775 available for replacement reserves and interest due Dominion Government. The sum of \$70,000 was set aside as reserve for replacements, and after charging this amount, together with interest due the Dominion Government, \$150,783, the net income deficit for the year was \$134,007.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

	\$	cts.	\$	cts.
OPERATING REVENUES—				
Wharves and Sheds Division.....	47,982	91		
Cargo Rates.....	53,891	96		
Miscellaneous including Harbour Dues.....	15,472	65		
			122,347	52
OPERATING EXPENSES—				
Administration.....	9,194	66		
Operation and Maintenance:				
Wharves and Sheds Division.....	22,996	77		
			32,191	43
Operating Income.....			90,156	09
INCOME FROM INVESTMENTS, SINKING FUNDS AND OTHER RESERVES.....	22,321	82		
MISCELLANEOUS INCOME CREDITS.....	8	30		
			22,330	12
Total Income.....			112,486	21
MISCELLANEOUS DEDUCTIONS FROM INCOME—				
Miscellaneous Income Charges:				
Bad Debts.....	87	73		
Claims.....	66	84		
			154	57
Income Available for Interest Due Public.....			112,331	64
INTEREST DUE PUBLIC.....			25,555	80
			86,775	84
OTHER INCOME REQUIREMENTS—				
Reserve for Replacements.....	70,000	00		
Interest due Dominion Government.....	150,783	29		
			220,783	29
Net Income Deficit.....			\$	134,007 45

HARBOUR OF MONTREAL

TRAFFIC

The year 1936 was notable for expansion in almost all branches of harbour activity. New high records in the history of the port were shown in some instances, notably in number and tonnage of sea-going ships, total commodity tonnage, tonnage of imports, receipts of Nova Scotia bituminous coal, and imports of crude petroleum and gasoline.

For the eighth successive year, import tonnage increased. Exports were greater than in 1935 by almost one million tons, while coastwise and local tonnage also recorded substantial gains. The net result was that total commodity tonnage movement through the port set a new high record of 13,117,754 tons, surpassing even the former peak year of 1928.

Grain exports increased by about 50% over 1935. Harbour railway traffic was more active than for several years, and passenger lines operating to Montreal reported one of their best years since the depression.

The expansion in shipping business and the high tonnage totals of import bulk cargo commodities were reflected in greater use of harbour sheds and wharf spaces.

1. SHIPPING

Classification	Number of Vessels	Register (Net tons)
(a) <i>Arrivals—</i>		
1. Overseas.....	1,168	4,393,308
2. Coastwise.....	5,285	5,177,517
Total 1936.....	6,453	9,570,825
" 1935.....	5,725	8,516,042
" 1934.....	5,557	8,313,026
" 1933.....	5,889	8,414,952
" 1932.....	5,368	8,005,868
(b) <i>Departures—</i>		
1. Overseas.....	1,180	4,453,848
2. Coastwise.....	5,273	5,064,721
Total 1936.....	6,453	9,518,569
" 1935.....	5,751	8,516,135
" 1934.....	5,508	8,276,305
" 1933.....	5,873	8,396,778
" 1932.....	5,359	8,001,124
(c) <i>Total Shipping—</i>		
1. Overseas.....	2,348	8,847,156
2. Coastwise.....	10,558	10,242,348
Total 1936.....	12,906	19,089,394
" 1935.....	11,476	17,032,177
" 1934.....	11,065	16,589,331
" 1933.....	11,762	16,811,730
" 1932.....	10,727	16,006,992

2. CARGO TONNAGE*

(Tons=2,000 lbs.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
(a) Foreign.....	5,660,650	3,243,676	8,904,326
(b) Coastwise.....	2,161,581	1,550,025	3,711,606
(c) Local.....	338,610	163,212	501,822
Total 1936.....	8,160,841	4,956,913	13,117,754
“ 1935.....	7,665,322	3,989,104	11,654,426
“ 1934.....	7,587,228	3,738,577	11,325,805
“ 1933.....	6,546,144	4,019,264	10,565,408
“ 1932.....	5,665,491	5,079,847	10,745,338

* Returns do not include volume of tonnage trans-shipped, but include some local deliveries and terminal railway traffic.

3. CARGO TONNAGE BY COMMODITIES

(Ton=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
AGRICULTURAL PRODUCTS				
1. Wheat.....	70,778	1,730,644	1,801,422	974,655
2. Corn.....	294,621	304	294,925	302,825
3. Oats.....	22,873	73,655	96,528	177,843
4. Barley.....	46,056	2,313	48,369	152,782
5. Rye.....	2,042	28,262	30,304	98,925
6. Flaxseed.....	80,067	806	80,873	46,227
7. Other Grain.....	1,016	57,948	58,964	34,813
8. Flour.....	59,038	299,364	358,402	330,720
9. Other Mill Products.....	14,685	69,367	84,052	66,563
10. Hay and Straw.....	295	50,008	50,303	28,700
11. Cotton.....	3,269	574	3,843	2,284
12. Apples (fresh).....		45,975	45,975	59,747
13. Other Fruit (fresh).....	47,550	2,976	50,326	42,200
14. Potatoes.....	7,742	564	8,306	12,002
15. Other Fresh Vegetables.....	2,575	1,985	4,560	7,755
16. Other Agricultural Products.....	128,513	25,483	153,996	131,437
Total 1936.....	780,920	2,390,228	3,171,148	.....
“ 1935.....	662,520	1,806,958	.....	2,469,478
Animal Products				
17. Horses.....	114	154	268	208
18. Cattle and Calves.....		15,855	15,855	266
19. Sheep.....				
20. Hogs.....				
21. Dressed Meats (fresh).....	1,287	5,513	6,600	4,483
22. Dressed Meats (cured-salted-canned).....	4,136	64,934	69,070	53,570
23. Other Packing House Products (edible).....	3,090	28,082	31,172	18,684
24. Poultry.....	14	596	610	278
25. Eggs.....	39	2,155	2,194	1,941
26. Butter.....	48	2,017	2,065	3,997
27. Cheese.....	376	37,006	37,382	30,065
28. Wool.....	9,965	1,892	11,857	10,345
29. Hides and Leather.....	2,306	1,764	4,070	3,578
30. Other Animal Products (non-edible).....	11,494	2,775	14,269	11,164
Total 1936.....	32,869	162,543	195,412	.....
“ 1935.....	28,540	110,039	.....	138,579

3. CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Mine Products</i>				
31. Anthracite Coal.....	1,520,242	463	1,520,705	1,536,288
32. Bituminous Coal.....	2,072,629	65	2,072,694	1,939,330
33. Lignite Coal.....				
34. Coke.....	19,769	75	19,844	12,700
35. Iron Ores.....	41,823	40	41,863	66,266
36. Copper Ores and Concentrates.....				10
37. Other Ores and Concentrates.....	16,108	764	16,872	3,208
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	4,119	167,382	171,501	151,913
39. Sand and Gravel.....	69,798	161	69,959	63,909
40. Stone (crushed, ground, broken).....	2,235	17,282	19,517	15,016
41. Slate, Dimension or Block Stone.....	3,714	11	3,725	8,929
42. Crude Petroleum.....	2,065,811	246,375	2,312,186	2,103,956
43. Asphalt (Natural, by-product petroleum).....	129	191	320	448
44. Salt.....	22,722	4,876	27,598	25,100
45. Other Mine Products.....	81,400	17,853	99,253	83,662
Total 1936.....	5,920,499	455,538	6,376,037	
" 1935.....	5,605,833	404,902		6,010,735
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	79	—	79	44
47. Cordwood and other firewood.....	501	20	521	1,082
48. Ties.....	790		790	836
49. Pulpwood.....				
50. Lumber, Timber, Box, Crate and Cooperage Material.....	20,206	60,044	80,250	68,062
51. Other Forest Products.....	23,723	14,171	37,894	35,801
Total 1936.....	45,299	74,235	119,534	
" 1935.....	37,882	67,943		105,825
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	151,147	573,569	724,716	707,601
53. Petroleum Oils and other Petroleum Pdts. (except asphalt and Gasoline).....				
54. Sugar.....	60,451	515,685	576,136	492,408
55. Iron, Pig and Bloom.....	296,100	52,191	348,291	291,614
56. Rails and Fastenings.....	33,430	1,051	34,481	26,369
57. Iron and Steel (Bar, Sheet, structural, pipe).....	973	26	999	2,138
58. Castings, Machinery and Boilers.....	85,207	66,451	151,658	124,678
59. Cement.....	12,191	9,430	21,621	15,806
60. Brick and Artificial Stone.....	7,826	75,114	82,940	74,433
61. Lime and Plaster.....	15,990	39	16,029	11,146
62. Agricultural Implements and Vehicles other than Autos.....	941	1,536	2,477	2,491
63. Sewer Pipe and Drain Tile.....	5,520	14,297	19,817	14,179
64. Automobiles, Auto Trucks and Auto parts.....	1,770	73	1,843	1,243
65. Household Goods and Settlers' effects.....	4,187	117,838	122,025	127,273
66. Furniture.....	31,145	16,051	47,196	38,416
67. Liquor Beverages.....	3,210	2,489	5,699	5,260
68. Fertilizers, all kinds.....	14,352	1,322	15,674	15,117
69. Newsprint Paper.....	18,702	48	18,750	23,345
70. Other Paper.....	699	77,562	78,261	53,514
71. Paper Board, Pulpboard and Wallboard.....	5,517	11,241	16,758	11,080
72. Wood Pulp.....	808	32,992	33,800	29,960
73. Fish (fresh, frozen, cured, etc.).....	281,454	28,655	310,109	337,107
74. Canned Goods (all Canned Food Products except meats).....	2,148	1,107	3,255	3,931
75. Other Manufactures and Miscellaneous.....	16,855	49,786	66,641	60,289
Total 1936.....	330,631	225,816	556,447	460,411
" 1935.....	1,381,254	1,874,369	3,255,623	
Grand Total 1936.....	1,290,547	1,639,262		2,929,809
" 1935.....	8,160,841	4,956,913	*13,117,754	
	7,665,322	3,989,104		*11,654,426
<i>COMMODITY GROUP—</i>				
Agricultural.....	780,920	2,390,228	3,171,148	2,469,478
Animal.....	32,869	162,543	195,412	138,579
Mine.....	5,920,499	455,538	6,376,037	6,010,735
Forest.....	45,299	74,235	119,534	105,825
Manufactures and Miscellaneous.....	1,381,254	1,874,369	3,255,623	2,929,809
Total 1936.....	8,160,841	4,956,913	*13,117,754	
" 1935.....	7,665,322	3,989,104		*11,654,426

*Returns do not include volume of tonnage transshipped, but include some local deliveries and terminal railway traffic.

4. PASSENGER TRAFFIC

Number of passengers	Inward	Outward	Total
(a) Foreign.....	41,295	45,781	87,076
(b) Coastwise.....	53,880	52,883	111,763
(c) Local.....	No record	No record	No record
Total 1936.....	100,175	98,664	198,839
“ 1935.....	83,841	82,573	166,414
“ 1934.....	80,322	79,147	159,469
“ 1933.....	54,339	64,176	118,515
“ 1932.....	58,256	87,795	146,051

5. GRAIN ELEVATORS*

Mode of Transport	Receipts	Shipments	Total
	(bush.)	(bush.)	(bush.)
Water.....	71,586,025	77,844,595	149,430,620
Rail.....	7,740,519	6,986,283	14,726,802
Others.....	78,359	2,285,462	2,363,821
Total 1936.....	79,404,903	87,116,340	166,521,243
“ 1935.....	65,080,829	63,283,084	128,363,913
“ 1934.....	58,749,934	56,374,541	115,124,475
“ 1933.....	65,029,160	65,435,618	130,464,778
“ 1932.....	109,164,344	112,893,600	222,057,944

* Of National Harbours Board only.

6. TERMINAL RAILWAY*

Number of Cars	1936	1935	1934
(a) Received from connecting lines.....	88,050	77,313	81,618
(b) Delivered to connecting lines.....	87,892	77,307	81,536
(c) Switched locally.....	5,160	5,103	5,000
Total.....	181,102	159,723	168,154

* Of National Harbours Board only.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

A considerable amount of clean-up dredging was done, principally in the inside channel, Sections 94-110, also dredging for the removal of shoals and obstructions. Extensive repairs were carried out on the harbour lighting system and on pavements and roads, and minor repairs on fire protection and life saving equipment, buoys, beacons, sewers, shed hoists, the floating crane, etc. The removal of ice and snow from wharves and roads and the cleaning and watering of roads also involved much work. The usual repairs to wharves, wharf fittings and accessories were carried out, the largest items being the repair of a portion of the face of Jacques Cartier Pier and of a cave over the Poupart St. sewer on saw tooth wharf No. 3.

Running repairs were carried out on steam and electric locomotives, coal cars and other minor units of rolling stock. Necessary repairs to the buildings and equipment of the locomotive round-house were also made. Maintenance of the track system, however, involved the greatest amount of work, the principal items being repairs to the overhead wiring and the replacement of ties.

The necessary repairs were made to the doors, floors and other parts of the sheds, and to their hoists and other equipment. Also, 4 sheds were painted and in 8 sheds, cargo handling equipment or fittings were installed. Shed No. 6A was taken down and the material stored. A large amount of work was done in making running repairs and replacements to the mechanical and electrical equipment of the grain elevators and conveyors and in the upkeep of the buildings. The major items were the renewal of the main power feeders at Elevator No. 1 and the alteration of two marine legs at Elevator No. 3 to permit the unloading of larger vessels. Ordinary repairs and necessary renewals were made to the equipment of the storage warehouse and power-house as well as necessary repairs to the buildings. The various harbour buildings, including the head office building, the machine shop, the guard pier shops, the shipyard buildings, etc., were maintained in good condition and all necessary repairs and some minor alterations were made. Major and minor repairs as required were carried out on the electric power system, the water supply system, the locomotive cranes and other units of the shore equipment and the dredges, derricks, tugs, scows and other vessels comprised in the floating equipment. The largest items under this category were the repairs to the electric transmission lines, repairs to dredge No. 6 and the dry docking and repair of the tug *Sir Hugh Allan*.

CAPITAL WORKS

Windmill Point Wharf.—On September 16, 1935, a contract was executed between the Dufresne Construction Co. Ltd. of Montreal and the Harbour Commissioners of Montreal for the reconstruction of the upstream section of the wharf at the north side of Windmill Point basin, where the old quay wall was in a precarious condition, due to decay of the timber of which it was built, and had been founded at a depth insufficient to permit the berths to be deepened to suit modern requirements. The work required was the construction, in front of the old wharf, of a reinforced concrete curtain wall founded in the rock at a depth adequate to permit the necessary dredging of the berths and anchored at the top by means of steel tie rods, to reinforced concrete anchor blocks placed about 100 feet back from the face of the old wharf. The curtain wall, 1,487 feet 10 inches in length and 64 inches in thickness, was built in sections of convenient length, in structural steel caissons sunk to the required depth in the bed of the basin by the pneumatic method. The wall is founded at Elevation 60·0, 34·58 feet below low water level to provide for the eventual dredging of the berths to Elevation 62·5, 32·08 feet below low water. The cope of the wall is established at Elevation 118·72. Where the curtain wall is pierced by openings for the raceways, as referred to below, its thickness is increased at the rear to 88 inches. The space between the curtain wall and the face of the old wharf is filled with suitable material. This work, begun in 1935, was carried on to completion during the year 1936.

Raceways at Windmill Point.—Under a contract entered into on December 8, 1934, between the Atlas Construction Co. Ltd. of Montreal and the Minister of Marine, eight of the nine raceways under the Windmill Point Wharf had been reconstructed, from the Harbour boundary line to about 40 feet from the face of the old wharf, but the corresponding portion of the remaining raceway, No. 7, was reconstructed by the harbour forces. This work was completed in 1935 preparatory to the reconstruction of Windmill Point Wharf, begun later

in that year. On August 17, 1936, when the reconstruction of the wharf was well advanced, a contract was signed between the Atlas Construction Co. Ltd. and the Harbour Commissioners of Montreal for the completion of the reconstruction of the nine raceways from the end of the work done the previous year to the back of the new curtain wall through which suitable openings had been provided. The old raceways were wooden tunnels built to carry the discharge from the then existing mill races and the canal flume, through the old wharf to Windmill Point basin, and were in bad condition. The new raceways consist of rolled steel pipes provided with suitable stiffening rings to resist external pressure. The diameters of the pipes used for the different raceways vary from 5 feet 8 inches to 8 feet 6 inches and there are from one to four pipes for each raceway. At six of the raceways provision is made for a future increase in capacity, by providing an additional opening through the curtain wall, closed by a bulkhead. This work was practically completed during the year 1936.

Alexandra Pier.—A contract was signed on October 10th, 1935, between Angus Robertson, Ltd., of Montreal, and the Minister of Marine for Section A of the reconstruction of Alexandra Pier, which was necessary to permit the deepening of the berths thereat and would soon be required on account of the advanced age of the timber cribwork in the structure. On November 28th, 1935, when very little work had been done, this contract was suspended and on October 31st, 1936, it was cancelled and replaced by a new contract between the same parties for the proper reconditioning of the upstream side of the pier by means of a new curtain wall carried a few feet above the present surface of the pier and the simultaneous raising of the outer end of the pier to the same new level. The new wall, designed to permit maintaining the old structure intact, consists of a series of 146 reinforced concrete cylinders, 7 feet in diameter, founded in the hard strata of the river bed at a depth adequate to permit the deepening of the berths to Elevation 57.0, 35 feet below the extreme low water level. The cylinders are tied back near their tops, by means of a system of steel tie rods, to suitable reinforced concrete anchor blocks located at approximately 100 feet behind the cylinders. The tie rods are supplied to the Contractor by the National Harbours Board. The openings between adjacent cylinders are to be closed by means of reinforced concrete piles, to retain the fill of broken stone which will be placed between the curtain wall and the face of the existing pier. The line of cylinders will be united at the top by a reinforced concrete cope wall poured in place. The top of the cope wall will be at Elevation 122.2, a few inches below the lower floor of the existing transit sheds. A few tie rods and anchor blocks will be placed at the outer end of the pier to resist the additional loads caused by raising the level of the pier surface. The work was commenced in November, 1936, and is to be completed prior to the opening of navigation in April, 1937.

Shore Wharves—Sections 35-40.—On November 9th, 1934, a contract was executed between Messrs. H. J. O'Connell, Ltd., and the Minister of Marine for the filling required in raising the wharf at Sections 38-40, and on June 7th, 1935, this contract was extended by letter of the Assistant Deputy Minister of Marine to cover the filling required for raising the surface of the rear portion of the wharves at Sections 35-40, necessary for the raising of the railway tracks thereat. This work, together with the raising of the railway tracks, was completed during 1936. Scouring of the river bed along the toe of the wharf at Sections 39-40 has caused the structure to move horizontally as well as vertically. In order to stop the subsidence and prevent further scouring of a dangerous character, the river bed along the entire length of the structure was covered with broken stone placed in a layer 5 feet thick by 50 feet wide. Furthermore, in order to reduce the horizontal pressure upon the back of the structure the distance between the two tracks nearest to the face of the wharf was reduced thus reducing the storage capacity for coal along the front of the wharf.

Laurier Pier.—A contract was signed on August 10th, 1935, between the Atlas Construction Co., Ltd., and the Acting Minister of Marine for the reconstruction of the downstream face and a portion of the end of Laurier Pier. The work involved the removal of the old timber cribs along these portions of the pier, excavation to a further depth of 10 feet for the seats for the new cribs, the placing to a grade Elevation of 55·35 of a level bed of crushed stone to receive the cribs, the building and sinking in place of 6 reinforced concrete cribs, the filling of them with dredged material, the building in place upon the cribs of a concrete cope wall and the backfilling of the entire structure to the top of the cope wall, Elevation 103·4. The design provides for the future raising of the pier to Elevation 119·0. By the end of 1935 all of the new cribs had been placed and partially filled. The work was resumed and carried practically to completion during the year 1936.

Marine Tower Jetty.—On September 27th, 1935, a contract was entered into by the Montreal Harbour Commissioners with the Atlas Construction Co., Ltd., for the extension, by 150 feet, of the marine tower jetty at grain elevator No. 3. The work was commenced in 1935 and completed early in the year 1936.

Sutherland Pier.—A contract was signed on September 23rd, 1935, by E. G. M. Cape and Company of Montreal, the Minister of Marine and the Harbour Commissioners of Montreal for the reconstruction and extension of Sutherland Pier. The work, begun in 1935, was resumed and nearly completed in 1936. The contract included the reconstruction of 105 feet of the shore wharf upstream from the pier and the construction of 458 feet 6 inches of the proposed new shore wharf downstream from the pier. The new pier will afford a berthing length of 1,000 feet on its upstream side, 226 feet 6 inches on its outer end and 330 feet on its downstream side. The new pier and shore wharves are being built at present to the same low level as the old structure with the cope at Elevation 104·0, but their construction provides for their being raised in the future 15 feet to the high level. The old pier was of timber crib construction founded at 25 feet below the extreme low water level, while the new structures are founded at Elevation 55·35, 36 feet below that level. They consist of reinforced concrete cribs, placed upon dredged and levelled seats, filled with dredged material and surmounted by a concrete cope wall fitted with mooring bollards; the whole being backfilled with suitable material to the top of the cope wall. The four cribs forming the substructure of the downstream shore wharf and one crib for the pier had been placed and partly filled in 1935. During 1936 the remaining 13 cribs for the pier and the crib for the upstream shore wharf were built and placed and the entire work was completed with the exception of a portion of the filling in the crib for the upstream shore wharf, the backfilling behind it and the adjacent crib in the pier and a few feet of the cope wall at the junction between these two cribs. It is expected that this work will be done and the undertaking completed early in the season of 1937. The downstream shore wharf is at present backfilled to a cope width of approximately 52 feet leaving a space of some 450 feet in width between it and the shore to be filled in the future.

Imperial Oil Wharf.—On November 16, 1936, a contract was entered into by the National Harbours Board with the Northern Construction Co., and J. W. Stewart, Ltd., for the reconstruction and extension of the wharf at present allotted to the Imperial Oil Co. The wharf has become inadequate for that Company's marine operations, as regards both the depth of water available and the length of berthing space provided. Consequently the contract covers the construction along the south face of the existing wharf of a series of reinforced concrete cylinders, to enable the berths there to be deepened, and the extension of the downstream end of the wharf by 203 feet 6 inches. The cylinders, each 7 feet in diameter, are to be founded upon the rock of the river bed and anchored there by means of heavy steel dowels. They are to be anchored near

the top to the old structure by means of steel tie rods. Precast concrete piles will be placed to close the small gaps between adjoining cylinders and the space between the cylinders and the old structure will be filled with crushed stone. The extension of the wharf will consist of two reinforced concrete cribs topped with a concrete cope wall and filled with suitable material. The elevations of the bases of the cylinders and of the cribs is to be such as will permit the deepening of the berths to Elevation 57·5, 35 feet below the low water stage of the river. This work is to be carried out during the low water period of the year 1937, but the manufacturing of the tie rods and fittings to be supplied to the Contractors by the National Harbours Board for the top anchorage system was commenced and some trenching at the site for the tie rods was done during November and December of 1936.

Work done by Montreal Harbour Floating Equipment.—Montreal Harbour floating equipment was used by, and at the expense of, the Contractor, for the preparation of the crib seats for the reconstruction of Sutherland Pier. It was also used by the Harbour Engineers in carrying out the inspection of crib seats, for placing stone in front of the wharf at Sections 39-40 and for carrying out a number of minor operations not covered by the contracts in connection with other capital works.

REVENUES AND EXPENDITURES

Operating revenues in 1936 totalled \$4,238,836 exceeding those of the previous year by \$206,065, or 5·1%. Operating and maintenance expenses aggregated \$2,209,179 and showed a decrease of \$185,788 from the expenses in 1935, or 7·7%. After setting aside \$742,500 as reserve for replacements, and charging interest due the Dominion Government, the net income deficit for the year was \$1,263,654. These figures exclude the operation of the Jacques Cartier Bridge.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—		
Wharves and Sheds Division.....	\$ 2,214,536 52	
Railway System.....	434,749 24	
Elevator System.....	1,282,277 17	
Cold Storage System.....	97,632 90	
Miscellaneous.....	209,640 86	
	<hr/>	
	\$	4,238,836 69
OPERATING EXPENSES—		
Administration.....	268,648 56	
Operation and Maintenance—		
Wharves and Sheds Division.....	\$ 374,168 08	
Railway System.....	414,882 73	
Elevator System.....	722,047 61	
Cold Storage System.....	176,440 68	
Miscellaneous.....	252,991 52	
	<hr/>	
	\$	1,940,530 62
		<hr/>
	\$	2,209,179 18
Operating Income.....	\$	2,029,657 51
INCOME FROM INVESTMENTS, SINKING FUNDS AND OTHER RESERVES.....	45 00	
MISCELLANEOUS INCOME CREDITS.....	6,128 47	
	<hr/>	
		6,173 47
Total Income.....	\$	2,035,830 98
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....	\$ 742,500 00	
Interest due Dominion Government.....	2,556,985 50	
	<hr/>	
	\$	3,299,485 50
Net Income <i>Deficit</i>	\$	<u>1,263,654 52</u>

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Classification	1936	1935
Automobiles (passenger).....	1,204,358	1,039,321
Passengers in vehicles.....	3,821,094	3,541,679
Trucks.....	243,025	220,240
Buses.....	106,376	110,398
All others.....	27,432	29,228
Total.....	5,402,285	4,940,866

REVENUES AND EXPENDITURES

Revenues derived from the operation of the Jacques Cartier Bridge in 1936 amounted to \$354,867, this figure being about 2% higher than the revenues in the previous year. Operating expenses amounted to \$91,861 and operating income \$263,006. After provision for interest on bonds held by the public and other income charges, there was a net income deficit for the year of \$1,045,935, to which, under agreement, contributions of \$150,000.00 each were made by the Province of Quebec and the City of Montreal.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

OPERATING REVENUES—

Bridge Tolls Collected.....	\$ 340,118 78	
Sundry Receipts.....	14,749 05	
		\$ 354,867 83

OPERATING EXPENSES—

Administration and General.....	27,410 35	
Operation.....	52,313 41	
Maintenance.....	12,137 57	
		91,861 33

Income Available For Interest Due Public.....\$ 263,006 50

INTEREST DUE PUBLIC.....\$ 950,000 00

\$ 686,993 50

OTHER INCOME REQUIREMENTS—

Reserve for Replacements—General.....	\$ 15,000 00	
Reserve for Replacements—Painting.....	27,600 00	
Reserve for Depreciation.....	166,164 00	
Bond Discount.....	8,846 16	
Premium on Bond Interest Payments.....	8,696 71	
Interest due Dominion Government.....	132,635 51	
		358,942 38
		\$ 1,045,935 88

Deduct:

Proportion of Deficit payable by:

Province of Quebec.....	\$ 150,000 00	
City of Montreal.....	150,000 00	
		300,000 00

Net Income Deficit.....\$ 745,935 88

Jacques Cartier Bridge—Montreal

BALANCE SHEET AS AT DECEMBER 31, 1936

ASSETS		LIABILITIES	
	\$ cts.		\$ cts.
FIXED—			
Bridge Structure, Right of Way, etc.....	18,649,077 80	BOND INDEBTEDNESS TO PUBLIC—	
		Forty year 5% First Mortgage Guaranteed Gold Bonds,	
		Maturing 1st November, 1969.....	19,000,000 00
CURRENT—		DOMINION GOVERNMENT ACCOUNT—	
Cash—Receiver General of Canada.....	26,589 72	Advances to meet interest.....	2,946,675 00
Accounts Receivable—General.\$ 1,440 16		CURRENT—	
Province of Quebec—Account		Accrued Interest—	
Deficit.....	150,000 00	Due Public.....	160,082 86
City of Montreal—Account De-		Due Dominion Government.....	460,111 99
ficit.....	150,000 00		
	301,440 16	RESERVES—	
		Replacement—General.....	112,708 06
REPLACEMENT FUNDS—		Replacement—Painting.....	32,470 22
General.....	112,708 06	Depreciation.....	830,820 00
Painting.....	32,470 22		
		FIRE DAMAGE SUSPENSE ACCOUNT.....	975,998 28
		HOLDBACKS ON CONTRACTS.....	1,678 45
			543 33
MISCELLANEOUS FUNDS.....	3,795 55		23,545,089 91
BOND DISCOUNT SUSPENSE ACCOUNT.....	290,449 62	SURPLUS AND DEFICIT ACCOUNT—	
DEFERRED CHARGES.....	1,260 33	Deficit at December 31, 1935.....	3,381,362 57
		Painting Steel Structure in 1934 and 1935.....	80,696 07
		Net Income Deficit for 1936.....	745,935 88
		Deduct—	
		Government Grant P.W.C.A. 1934 and	
		1935.....	80,696 07
			4,127,298 45
			\$ 19,417,791 46

HARBOUR OF VANCOUVER

TRAFFIC

Cargo tonnage, foreign and coastwise, through the Harbour of Vancouver in 1936 totalled 7,766,114 tons, showing an increase over 1935 of 1,426,478 tons. There was a substantial increase in tonnage, as compared with 1935, for the following Canadian commodities: grain, canned fish, chemical fertilizer, fishmeal, fresh apples, scrap metal, canned milk, pulp and paper, fir doors, lumber, logs and piling.

Due to the situation existing at United States Pacific ports in the latter part of the year, the movement of traffic through Vancouver was greater than would otherwise have been the case, but irrespective of this special situation, the port traffic showed a satisfactory increase in tonnage over 1935.

1. SHIPPING

Classification	Number of Vessels	Register (Net Tons)
(a) Arrivals—		
1. Overseas.....	1,247	4,954,357
2. Coastwise.....	18,498	6,960,735
Total 1936.....	19,745	11,915,092
" 1935.....	18,288	11,212,292
" 1934.....	16,970	11,488,452
" 1933.....	15,777	10,897,302
" 1932.....	15,981	11,082,902
(b) Departures—		
1. Overseas.....	1,217	4,988,401
2. Coastwise.....	18,383	6,968,064
Total 1936.....	19,600	11,956,465
" 1935.....	18,283	11,203,400
" 1934.....	16,970	11,466,601
" 1933.....	15,769	10,911,577
" 1932.....	15,974	11,186,252
(c) Total Shipping—		
1. Overseas.....	2,464	9,942,758
2. Coastwise.....	36,881	13,928,799
Total 1936.....	39,345	23,871,557
" 1935.....	36,571	22,415,692
" 1934.....	33,940	22,955,053
" 1933.....	31,546	21,808,879
" 1932.....	31,955	22,269,154

2. CARGO TONNAGE

(Tons=2,000 lbs.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
(a) Foreign.....	1,664,365	3,155,145	4,819,510
(b) Coastwise.....	2,215,554	731,050	2,946,604
(c) Local.....	No record	No record	No record
Total 1936.....	3,879,919	3,886,195	7,766,114
" 1935.....	3,205,188	3,134,448	6,339,636
" 1934.....	3,056,068	3,203,513	6,259,581
" 1933.....	2,717,311	3,387,534	6,104,845
" 1932.....	2,862,765	4,363,090	7,225,855

3. CARGO TONNAGE BY COMMODITIES

(Tons=2,000 lbs.)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	7	1,712,762	1,712,769	1,258,419
2. Corn.....	48,756		48,756	2,267
3. Oats.....		57,436	57,436	66,676
4. Barley.....		171	171	11,163
5. Rye.....				
6. Flax Seed.....		1	1	3
7. Other Grain.....	13,002	1,439	14,441	9,403
8. Flour.....	4,545	90,560	95,105	95,401
9. Other Mill Products.....	16,964	23,564	40,528	10,615
10. Hay and Straw.....		241	241	379
11. Cotton.....	1,406		1,406	453
12. Apples (fresh).....	331	15,955	16,286	6,591
13. Other Fruit (fresh).....	19,188	5,584	24,772	17,628
14. Potatoes.....	19	1,264	1,283	565
15. Other Fresh Vegetables.....	2,934	1,734	4,668	4,867
16. Other Agricultural Products.....	84,413	3,028	87,441	65,905
Total.....	191,565	1,913,739	2,105,304	1,550,335
<i>Animal Products</i>				
17. Horses.....	207	75	282	202
18. Cattle and Calves.....	5,462	1,030	6,492	6,952
19. Sheep.....	135	36	171	968
20. Hogs.....		1	1	1
21. Dressed Meats (Fresh).....	38	1,334	1,372	921
22. Dressed Meats (cured-salted-canned).....	1,100		1,100	1,530
23. Other Packing House Products (Edible).....	1,365	250	1,615	1,171
24. Poultry.....	5		5	53
25. Eggs.....	526	548	1,074	
26. Butter.....	32	47	79	200
27. Cheese.....	281	93	374	304
28. Wool.....	5,635	534	6,169	2,538
29. Hides and Leather.....	3,940	2,419	6,359	5,555
30. Other Animal Products (non-edible).....	5,628	4,748	10,376	15,217
Total.....	24,354	11,115	35,469	35,617
<i>Mine Products</i>				
31. Anthracite Coal.....	2,562		2,562	
32. Bituminous Coal.....	214,555	3,240	217,795	232,627
33. Lignite Coal.....				
34. Coke.....	4,443	1,902	6,345	4,122
35. Iron Ore.....				
36. Copper Ore and Concentrates.....	1,895	79	1,974	1,824
37. Other Ore and Concentrates.....	1,440	8,956	10,396	20,303
38. Base Bullion, Matte, Pig and Ingot (Non-ferrous metals).....	26	25,590	25,616	34,937
39. Sand and Gravel.....	169,772	11,335	181,107	143,896
40. Stone (crushed, ground, broken).....	4,739		4,739	2,517
41. Slate, Dimension or Block Stone.....	4,412	1,739	6,151	4,668
42. Crude Petroleum.....	964,918		964,918	897,242
43. Asphalt (Natural, By-product Petroleum).....	552	378	930	462
44. Salt.....	30,615	7,073	37,688	33,575
45. Other Mine Products.....	9,505	2,500	12,005	2,875
Total.....	1,409,434	62,792	1,472,226	1,379,048
<i>Forest Products</i>				
46. Logs, Posts, Poles and Piling.....	1,173,607	441,698	1,615,305	1,437,859
47. Cordwood and other Firewood.....	14,006	74,972	88,978	55,912
48. Ties.....		6,275	6,275	
49. Pulpwood.....		3,062	3,062	3,237
50. Lumber, Timber, Box Shooks and Cooperage Material.....	257,173	554,780	811,953	577,820
51. Other Forest Products.....	11,013	28,593	39,606	38,800
Total.....	1,455,799	1,109,380	2,565,179	2,113,628

3. CARGO TONNAGE OF COMMODITIES—*Concluded*

(Tons=2,000 lbs)

Commodities	Inward	Outward	Total	
			1936	1935
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	42,120	242,160	284,280	245,322
53. Petroleum Oils and other Petroleum Products (except asphalt and gasoline).....	6,685	276	6,961	6,479
54. Sugar.....	84,898	7	84,905	78,061
55. Iron, Pig and Bloom.....	6,260	.....	6,260	853
56. Rails and Fastenings.....	10,715	4,217	14,932	9,301
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	75,226	36,690	111,916	74,160
58. Castings, Machinery and Boilers.....	6,202	6,466	12,668	8,061
59. Cement.....	18,707	693	19,400	13,210
60. Brick and Artificial Stone.....	3,509	946	4,455	4,216
61. Lime and Plaster.....	5,029	859	5,888	4,372
62. Agricultural Implements and Vehicles (other than autos).....	757	458	1,215	807
63. Sewer Pipe and Drain Tile.....	75	.....	75	39
64. Automobiles, Auto Trucks and Auto Parts.....	5,545	30,919	36,464	28,332
65. Household Goods and Settlers' Effects.....	.....	.....	.....	.....
66. Furniture.....	3,334	3,059	6,393	2,208
67. Liquor Beverages.....	8,714	5,216	13,930	9,132
68. Fertilizers (all kinds).....	27,168	40,316	67,484	36,119
69. Newsprint Paper.....	91,239	56,054	147,293	125,802
70. Other Paper.....	23,716	14,677	38,393	29,597
71. Paper Board, Pulpboard and Wallboard (paper) ..	338	108	446	218
72. Wood Pulp.....	19,437	10,840	30,277	14,641
73. Fish (fesh, frozen, cured, etc.).....	74,605	75,357	149,962	139,420
74. Canned Goods (all canned food products (other than meat).....	11,649	5,049	16,698	9,458
75. Other Manufactures and Miscellaneous.....	272,839	254,802	527,641	421,200
Total.....	798,767	789,169	1,587,936	1,261,008
Grand Total.....	3,879,919	3,886,195	7,766,114	6,339,636
COMMODITY GROUP—				
Agricultural.....	191,565	1,913,739	2,105,304	1,550,335
Animal.....	24,354	11,115	35,469	35,617
Mine.....	1,409,434	62,792	1,472,226	1,379,048
Forest.....	1,455,799	1,109,380	2,565,179	2,113,628
Manufactures and Miscellaneous.....	798,767	789,169	1,587,936	1,261,008
Total.....	3,879,919	3,886,195	7,766,114	6,339,636

4. PASSENGER TRAFFIC

Number of Passengers	Inward	Outward	Total
(a) Foreign.....	12,954	14,669	27,623
(b) Coastwise.....	466,882	467,571	934,453
(c) Local.....	No record	No record	No record
Total 1936.....	479,836	482,240	962,076
“ 1935.....	393,588	394,478	788,066
“ 1934.....	397,674	405,134	802,808
“ 1933.....	335,380	341,935	677,315
“ 1932.....	330,936	336,832	667,768

5. GRAIN ELEVATORS

Mode of Transport	*Receipts	*Shipments	*Total
	(Bushels)	(Bushels)	(Bushels)
Water.....		61,451,705	61,451,705
Rail.....	54,976,379		54,976,379
Total 1936.....	54,976,379	61,451,705	116,428,084
“ 1935.....	47,212,116	46,494,516	93,706,632
“ 1934.....	54,412,459	51,584,055	105,996,514
“ 1933.....	65,921,286	63,192,295	134,113,581
“ 1932.....	100,902,337	104,946,599	205,848,936

*Not including private or mill elevators. water receipts or rail and local deliveries.

6. TERMINAL RAILWAY*

Number of Cars	1936	1935	1934
(a) Received from connecting lines.....	34,430	26,536	28,146
(b) Delivered to connecting lines.....	32,801	26,163	26,977
(c) Switched locally.....	1,122	618	774
Total.....	68,353	53,317	55,897

*Of National Harbours Board only.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Routine maintenance in Vancouver Harbour during 1936 represented the annual inspection and repairing of the underwater substructures of Ballantyne and Lapointe Piers and Jetties 1 and 3; repair and replacement of timbers in wharf frames and decks; repairs to roofs of Lapointe and Ballantyne Pier Sheds, fish wharf buildings and roofs of grain conveyor galleries; overhauling and painting cargo cranes, Ballantyne Pier and ice making machinery at fish wharf; upkeep of Terminal Railway tracks, crossings, equipment and stock; overhaul and repair of bulkhead, roadways, tracks, sewers and water services on Granville Island and the upkeep of navigation aids throughout the Harbour. Second Narrows Bridge maintenance involved upkeep, overhaul and repair of machinery and electrical equipment.

Work of a major maintenance character involving replacement of original facilities was done in the repair of a power transformer, Ballantyne Pier substation; the renewal of ties, rails and switches on the Terminal Railway and the partial replacement of the roadway deck of Second Narrows Bridge.

CAPITAL WORKS

No major projects were carried on in Vancouver Harbour as Capital Works during the calendar year 1936.

REVENUES AND EXPENDITURES

Operating revenues in 1936 amounted to \$1,792,981, as compared with \$1,537,044 in 1935, showing an increase of \$255,936, or 16·6%. Operating and maintenance expenses aggregated \$718,997, which amount was \$17,557, less than in 1935, or 2·3%. After making provision for interest due the Dominion Government and setting aside \$250,000.00 as reserve for replacements, there was a net income deficit for the year of \$349,162.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

	\$	cts.	\$	cts.
OPERATING REVENUES—				
Wharves and Sheds Division.....	519,329	87		
Rentals.....	155,592	94		
Railway System.....	174,621	56		
Elevator System.....	312,445	38		
Cargo Rates.....	501,831	67		
Miscellaneous, including Harbour Dues.....	129,159	67		
			1,792,981	09
OPERATING EXPENSES—				
Administration.....	106,001	59		
Operation and Maintenance—				
Wharves and Sheds Division.....	\$400,702	11		
Railway System.....	132,993	49		
Miscellaneous.....	79,300	01		
	612,995	61		
			718,997	20
Operating Income.....			1,073,983	89
INTEREST ON INVESTMENTS.....			14,108	79
Total Income.....			1,088,092	68
OTHER INCOME REQUIREMENTS—				
Reserve for Replacements.....	250,000	00		
Reserve for Bad Debts.....	6,357	00		
Interest due Dominion Government.....	1,180,898	34		
			1,437,255	34
Net Income <i>Deficit</i>	\$		349,162	66

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

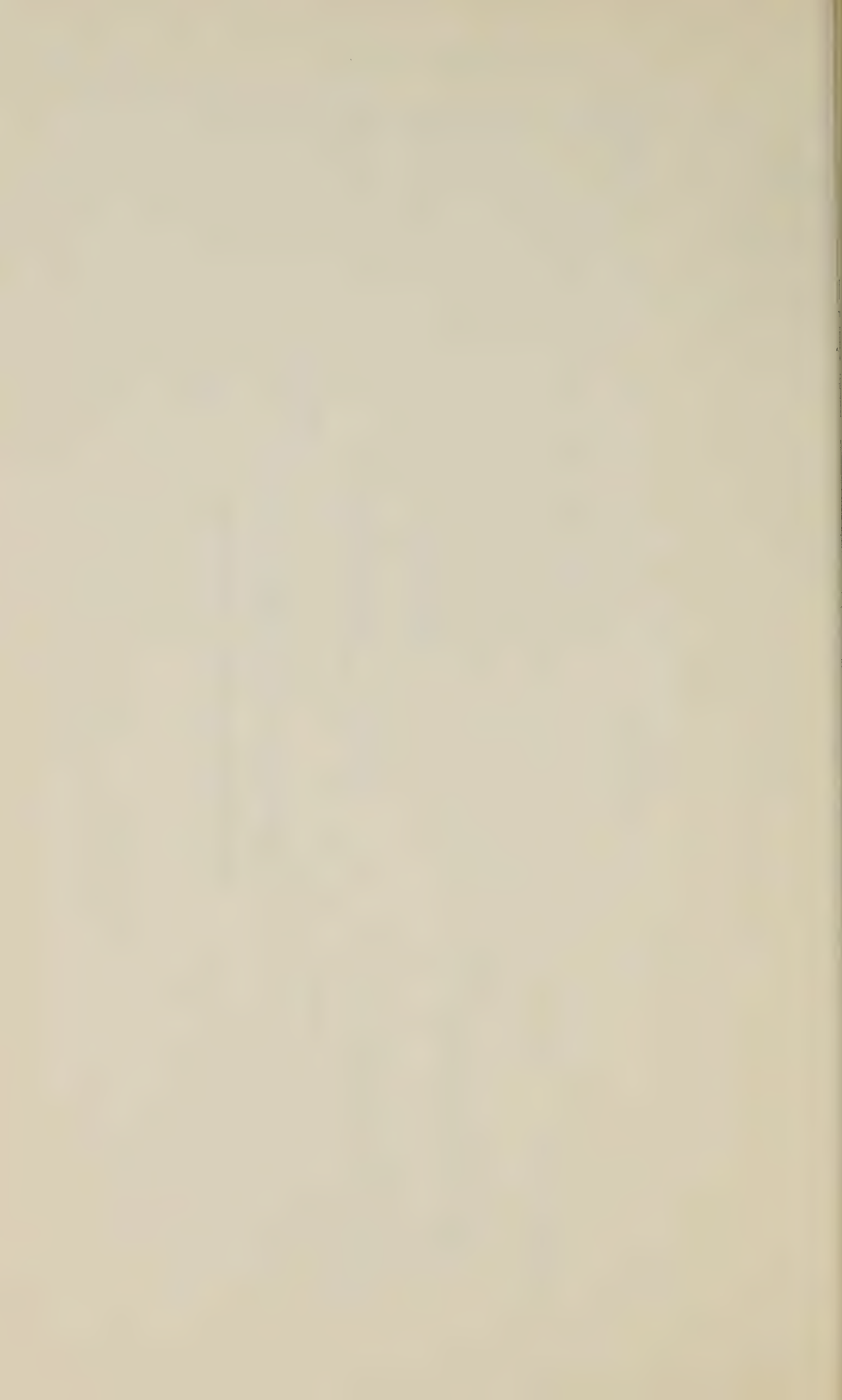
Classification	1936	1935
Number of pedestrians.....	1,055,512	953,749
Automobiles (passenger).....	666,519	598,797
Trucks.....	112,191	86,471
Buses.....	2,808	1,855
All others.....	6,715	6,953
Total.....	1,843,745	1,647,825

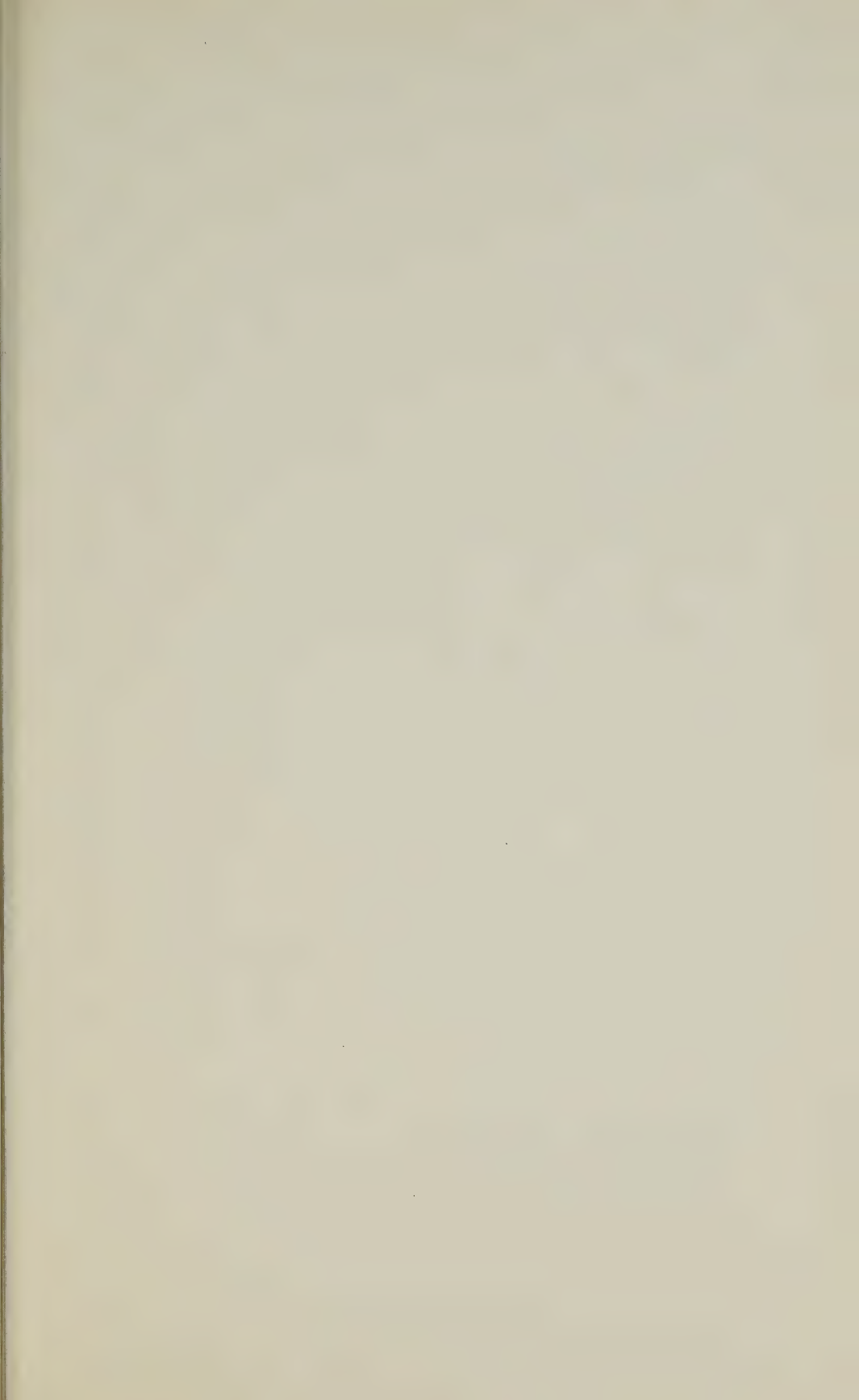
REVENUES AND EXPENDITURES

Operating revenues for the Second Narrows Bridge in 1936 amounted to \$140,089, as compared with \$113,169 in 1935, an increase of \$26,920, or 23·8%. Operating and maintenance expenses were \$60,586 or \$10,497 less than in 1935, a reduction of 14·7%. After payment of interest on indebtedness incurred in the reconstruction of the bridge and reserving \$5,915 for replacements, the net income surplus from the operation of the bridge in 1936 was \$22,724.

INCOME STATEMENT FOR THE CALENDAR YEAR 1936

OPERATING REVENUES—			
Bridge Tolls collected.....	\$	139,962 22	
Sundry Receipts.....		127 00	
		<u>\$</u>	140,089 22
OPERATING EXPENSES—			
Administration and General.....	\$	28,316 68	
Operation.....		24,915 18	
Maintenance.....		7,354 78	
		<u>\$</u>	60,586 64
Operating Income.....	\$		79,502 58
INTEREST.....	\$		50,862 79
		<u>\$</u>	28,639 79
RESERVE FOR REPLACEMENTS.....	\$		5,915 17
Net Income Surplus.....	\$		<u><u>22,724 62</u></u>









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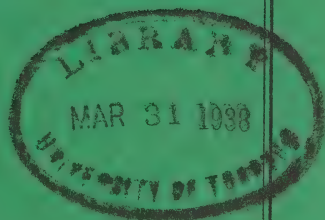
ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1937



OTTAWA
J. O. PATENAUDE, I.S.O.
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1938

Price, 25 cents.

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1938

NATIONAL HARBOURS BOARD

R. O. Campney.....	Chairman.
Colonel A. E. Dubuc.....	Vice-Chairman and Chief Engineer.
B. J. Roberts.....	Member.

F. W. Riddell.....	Executive Secretary.
J. T. Rowan.....	Assistant Secretary.

Halifax.....	R. W. Hendry.....	Port Manager.
Saint John.....	Alex. Gray.....	Port Manager and Chief Engineer.
Chicoutimi.....	L. A. Dussault.....	Port Manager.
Quebec.....	Louis Beaudry.....	Port Manager and Acting Chief Engineer.
Three Rivers.....	J. R. Lariviere.....	Acting Secretary.
Montreal.....	Alex. Ferguson.....	Port Manager.
Prescott.....	G. T. Birch.....	Acting Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. R. Meadows.....	Port Manager.
Vancouver.....	K. J. Burns.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March, 1938.

To the Honourable C. D. HOWE, M.P.,
Minister of Transport,
Ottawa.

SIR:—Pursuant to Section 32 of the National Harbours Board Act, we have the honour to submit the annual report of the National Harbours Board for the calendar year 1937, covering the operations of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

During the year the harbour of Churchill and the grain elevators at Prescott and Port Colborne were added to the facilities under the management of the Board, their transfer from the Department of Transport having been authorized by Order in Council P.C. 397, dated February 27, 1937, with effect from January 1, 1937.

TRAFFIC

Water-borne cargo tonnage landed from and loaded to vessels in harbours under the jurisdiction of the Board was 32,195,291 tons in 1937, as compared with 30,824,784 tons in 1936, the increase being 1,370,507 tons, or about 4%. This gain in traffic, following immediately upon an increase of 4,064,535 tons, or 15%, shown in 1936 over the cargo tonnage moved in 1935, can be regarded with satisfaction, particularly in view of the situation which prevailed during 1937 with respect to the movements of wheat, the tonnage of which, inwards and outwards, showed a decrease of 2,079,090 tons as compared with 1936. As indicated above, this loss in traffic was more than offset, taking the harbours as a whole, by increases in the movements of other commodities. In several of the harbours, however, the decrease in movements of wheat was sufficient to outweigh the gains in other traffic, and they showed a drop in total tonnage as compared with 1936. These were the harbours of Quebec, Churchill and Vancouver. All other harbours showed increases in cargo tonnage.

An analysis of the statistics for 1937 indicates that domestic traffic recorded a greater gain than foreign traffic, the former showing an increase of 836,805 tons, or 7%, over the figures for 1936, whereas foreign cargo tonnage increased 533,702 tons, or about 3%.

The number of arrivals and departures of vessels at harbours under the jurisdiction of the Board was 80,278 in 1937, as compared with 73,094 in 1936. The aggregate net registered tonnage of such vessels, however, was lower in 1937 than in the previous year, the respective figures being 65,785,103 for 1937 and 67,408,950 for 1936.

The following statements summarize, by harbours, the volume of shipping and the water-borne cargo tonnage in 1937, with corresponding figures for the previous year:

SHIPPING—TOTAL ARRIVALS AND DEPARTURES

Harbour	1937		1936	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
Halifax.....	6,479	8,100,797	6,094	7,525,916
Saint John.....	4,203	5,005,643	3,903	4,830,884
Chicoutimi.....	423	117,340	406	85,026
Quebec.....	8,268	8,216,532	6,204	8,169,819
Three Rivers.....	5,697	4,727,463	4,180	3,743,548
Montreal.....	9,965	16,389,758	12,906	19,089,394
Churchill.....	28	19,806	56	92,806
Vancouver.....	45,215	23,207,764	39,345	23,871,557
Total.....	80,278	65,785,103	73,094	67,408,950

WATER-BORNE CARGO TONNAGE

Basis: Tons—W. (2,000 lbs.) or M.

Harbour	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
Halifax.....	1,334,412	1,041,797	2,376,209	2,140,458
Saint John.....	773,742	1,244,670	2,018,412	1,724,361
Chicoutimi.....	111,918	4,514	116,432	73,244
Quebec.....	1,228,534	456,857	1,685,391	1,856,142
Three Rivers.....	1,956,401	739,635	2,696,036	1,594,624
Montreal.....	10,073,523	6,296,111	16,369,634	*15,538,712
Churchill.....	2,004	19,050	21,054	131,129
Vancouver.....	4,176,003	2,736,120	6,912,123	7,766,114
Total 1937.....	19,656,587	12,538,754	32,195,291	
Total 1936.....	18,137,452	12,687,332		30,824,784

*Revised figures.

REVENUES AND EXPENDITURES

In order that the appropriate comparisons may be made, there will be reviewed, first, the result of operations in the seven harbours which were covered by last year's report and which have now been under central management for two years. The figures for the three units added in 1937—Prescott and Port Colborne elevators and the harbour of Churchill—will be presented separately.

Operating revenues in 1937 of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver, amounted to \$8,262,221, as compared with \$8,030,600 in 1936, showing an increase of \$231,621, or about 3%. Operating and maintenance expenses aggregated \$4,268,675, as against \$4,494,713 in 1936, a decrease of \$226,038, or 5%. The net income from operations was \$3,993,546 in 1937, as compared with \$3,535,887 in the previous year, showing an improvement of \$457,659, or 13%.

After taking into consideration miscellaneous credits and providing for interest and replacement reserves, the net income deficit for these seven harbours in 1937 was \$5,427,988, as compared with \$5,876,582 shown by the accounts for 1936, showing a reduction of \$448,594 in the deficit.

Receipts from elevator services, as well as other sources of harbour revenues were unfavourably influenced in 1937 by the decrease in movements of wheat. Due to depletion of stocks of grain in Canada, the revenue from elevator storage alone showed a decrease, as compared with the previous year, of \$221,000.

The following is a consolidated income statement for the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver for 1937, which also shows the corresponding figures for 1936 and 1935:

CONSOLIDATED INCOME STATEMENT
(EXCLUDING PRESCOTT, PORT COLBORNE AND CHURCHILL)

	1937	1936	1935
OPERATING REVENUES.....	\$ 8,262,221 63	\$ 8,030,600 68	\$ 7,427,454 77
OPERATING AND MAINTENANCE EXPENSES.....	4,268,675 25	4,494,713 43	4,975,755 52
Operating Income.....	3,993,546 38	3,535,887 25	2,451,699 25
MISCELLANEOUS CREDITS (Net).....	81,470 00	37,145 87	6,198 28
Total Income.....	4,075,016 38	3,573,033 12	2,445,500 97
INTEREST DUE PUBLIC.....	1,203,081 74	1,298,718 69	1,325,299 77
	2,871,934 64	2,274,314 43	1,120,201 20
OTHER INCOME REQUIREMENTS			
Reserve for Replacements.....	1,909,186 17	1,907,179 17	788,359 17
Interest due Government.....	6,690,736 57	6,543,717 87	6,376,300 51
	8,599,922 74	8,450,897 04	7,134,659 68
	5,727,988 10	6,176,582 61	6,044,458 48
Deduct			
Special Contributions to Deficits (Bridge—			
Montreal).....	300,000 00	300,000 00	300,000 00
Net Income Deficit.....	\$5,427,988 10	\$ 5,876,582 61	\$ 5,744,458 48

It will be seen that since 1935, the last year the harbours were under the management of local commissions, operating revenues have risen from \$7,427,454 to \$8,262,221, an increase of \$834,767, or 11%. In the same period, operating and maintenance expenses have been reduced from \$4,975,755 to \$4,268,675, a decrease of \$707,080, or 14%. Operating income in 1935 was \$2,451,699, and in 1937, \$3,993,546, showing an improvement of \$1,541,847, or 63%. The net income deficit, after provision for interest and reserve for replacements, was \$5,744,458 in 1935, as compared with \$5,427,988 in 1937, but it will be noted that in the accounts for 1935 only \$788,359 was charged as reserve for replacement of physical assets, whereas in 1937 the amount was \$1,909,186. In 1935 the harbour of Montreal was the only one which made a charge of this nature. The institution of such a charge in all harbours had, of course, the effect of making a comparison of the 1937 deficit figure with that of 1935 less favourable than would otherwise have been the case.

The improvement in operating results in each of the harbours is indicated by the following statement:

STATEMENT OF OPERATING REVENUES, OPERATING EXPENSES AND OPERATING INCOME FOR THE YEARS, 1935, 1936 AND 1937

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Halifax.....	1935	500,936	504,851	3,915
	1936	510,179	433,040	77,139
	1937	581,740	429,472	152,268
Change—1937 relative to 1935.....		+ 80,804	— 75,379	+156,183
Saint John.....	1935	322,954	272,860	50,094
	1936	367,448	256,380	111,068
	1937	435,952	240,302	195,650
Change—1937 relative to 1935.....		+112,998	— 32,558	+145,556
Chicoutimi.....	1935	13,328	20,401	7,073
	1936	21,307	18,639	2,668
	1937	21,750	14,361	7,389
Change—1937 relative to 1935.....		+ 8,422	— 6,040	+ 14,462
Quebec.....	1935	466,474	781,758	315,284
	1936	482,542	673,838	191,295
	1937	447,780	572,334	124,554
Change—1937 relative to 1935.....		— 18,694	—209,424	+190,730
Three Rivers.....	1935	93,076	47,837	45,239
	1936	122,347	32,191	90,156
	1937	172,309	18,023	154,286
Change—1937 relative to 1935.....		+ 79,233	— 29,814	+109,047
Montreal.....	1935	4,032,770	2,394,967	1,637,803
	1936	4,238,836	2,209,179	2,029,657
	1937	4,377,350	2,136,800	2,240,550
Change—1937 relative to 1935.....		+ 344,580	—258,167	+602,747
Jacques Cartier Bridge, Montreal.....	1935	347,698	145,439	202,259
	1936	354,867	91,861	263,006
	1937	423,785	84,550	339,235
Change—1937 relative to 1935.....		+ 76,087	— 60,889	+136,976
Vancouver.....	1935	1,537,044	736,554	800,490
	1936	1,792,980	718,997	1,073,983
	1937	1,636,648	708,830	927,818
Change—1937 relative to 1935.....		+ 99,604	— 27,724	+127,328
Second Narrows Bridge, Vancouver.....	1935	113,168	71,083	42,085
	1936	140,089	60,586	79,502
	1937	164,899	62,611	102,288
Change—1937 relative to 1935.....		+ 51,731	— 8,472	+60,203

Operating revenues in 1937 of the elevators at Prescott and Port Colborne and the harbour of Churchill totalled \$190,133, as compared with \$448,838 in 1936, a decrease of \$258,705, reflecting reduction in grain handlings and storage. Operating and maintenance expenses were \$329,766 in 1937, as compared with \$487,667 in 1936, a decrease of \$157,901. After taking into account income credits, a deficit of \$137,689 was shown in 1937, as compared with a loss of \$38,047 in 1936, no charge for interest or replacement reserve having been made in either year.

The following is a consolidated income statement for these facilities for 1937 which also shows corresponding figures for 1936:

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1937	1936
Operating Revenues.....	\$190,133 31	\$448,838 41
Operating and Maintenance Expenses.....	329,766 41	487,667 73
Operating Income.....	139,633 10	38,829 32
Miscellaneous Credits (Net).....	1,943 34	781 35
Net Income Deficit.....	\$137,689 76	\$ 38,047 97

As provided by Section 31 of the National Harbours Board Act, separate accounts are kept for each harbour or property and the revenues of each must be assigned exclusively for its own purposes. The cash deficits of \$108,706 and \$140,889 shown respectively by Quebec and Churchill in 1937 are charges upon votes passed by Parliament for the purpose, as is also \$367,000 received on account of deficit of the Jacques Cartier Bridge. The income of harbours showing a surplus after payment of interest due the public has been or will be applied to payment of interest due the Government, after provision for replacement reserves. In the case of the elevators at Prescott and Port Colborne, the loss of \$23,858 by the former is being financed out of working capital for the present, as no vote was provided for this purpose, and the surplus of \$27,058 shown by Port Colborne elevator will be paid into the Consolidated Revenue Fund.

CAPITAL EXPENDITURES

Expenditures on fixed assets charged to capital in 1937 amounted to \$3,621,437. In addition, the sum of \$462,072 was expended on replacement of physical assets at Vancouver chargeable to replacement reserve, making a total outlay of \$4,083,509, as follows:—

CAPITAL—	
Saint John.....	\$ 920,072
Chicoutimi.....	10,349
Quebec.....	464,481
Three Rivers.....	112,057
Montreal.....	1,848,784
Churchill.....	9,594
Vancouver.....	256,100
	<u>\$3,621,437</u>

Replacement of Physical Assets—

Vancouver.....	462,072
	<u>\$ 4,083,509</u>

Of the total of \$3,621,437, the sum of \$1,616,532 represents expenditures on works initiated by the Board, payable out of advances from the Dominion Treasury bearing interest at $3\frac{1}{2}\%$ per annum. The balance of \$2,004,905 represents expenditures on works initiated by the Dominion Government as unemployment relief measures, payable from special votes of Parliament, no interest liability being assumed by the Board in respect thereof.

Capital works are referred to in more detail in the data submitted for each harbour.

RETIREMENT OF DEBT

During the year, advances were obtained from the Dominion Treasury for the repayment of bank loans and maturing debentures held by the public to the amount of \$2,812,744, in respect of the following harbours:—

Halifax.....	\$ 964,338
Saint John.....	305,000
Chicoutimi.....	257,000
Three Rivers.....	303,000
Vancouver.....	983,406
	<u>\$ 2,812,744</u>

AUDIT

A continuous audit of the accounts of the Board has been made by the Auditor General of Canada.

Consolidated income statements and balance sheets, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, supplemented by details of traffic and works carried on in 1937, are appended to this report.

Respectfully submitted,

R. O. CAMPNEY

Chairman

A. E. DUBUC

Vice-Chairman and Chief Engineer

B. J. ROBERTS

Member

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES

Harbour General.....	\$ 1,169,562 34	
Wharves and Piers.....	2,896,547 73	
Permanent Sheds.....	663,338 77	
Shed Hoists.....	24,020 50	
Railway System.....	653,840 56	
Grain Elevator System.....	1,847,794 91	
Cold Storage System.....	373,373 50	
Miscellaneous—Outsiders.....	235,190 13	
Bridge Tolls and Sundry Receipts.....	588,686 47	
		<u>\$8,452,354 94</u>

OPERATING EXPENSES

Administration.....	631,042 22	
Operation and Maintenance		
Harbour Dredging.....	\$ 73,968 86	
Harbour General.....	538,553 61	
Vehicular Bridges.....	4,322 10	
Roads, Fences and Boundaries.....	52,109 96	
Sewers and Drains.....	6,343 53	
Wharves and Piers.....	334,168 71	
Permanent Sheds.....	414,593 31	
Shed Hoists.....	16,379 48	
Railway System.....	625,679 05	
Grain Elevator System.....	1,088,324 11	
Cold Storage System.....	366,035 55	
Miscellaneous—Outsiders.....	219,314 21	
Departmental Services—not distributed.....	105,254 84	
Bridges.....	122,352 12	
	<u>3,967,399 44</u>	4,598,441 66
Operating Income.....		3,853,913 28

MISCELLANEOUS CREDITS (net)..... 30,480 45

Total Income..... 3,884,393 73

INTEREST DUE PUBLIC..... 1,150,148 85

2,734,244 88

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	1,909,186 17	
Interest due Dominion Government.....	6,690,736 57	
	<u>8,599,922 74</u>	
		5,865,677 86

Deduct: Special Contributions to Deficits (Bridge—Montreal)..... 300,000 00

Net Income *Deficit*..... \$ 5,565,677 86

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED

Harbour Dredging.....	\$ 12,049,800 22
Real Estate.....	12,802,064 88
Vehicular Bridges.....	186,725 51
Roads, Fences and Boundaries.....	1,590,948 70
Sewers and Drains.....	484,796 24
Miscellaneous Structures.....	354,728 93
Wharves and Piers.....	84,279,832 56
Permanent Sheds.....	18,997,062 40
Shed Hoists and Electric Cranes.....	235,076 80
Railway System.....	8,011,723 06
Grain Elevator System.....	43,046,650 48
Cold Storage System.....	5,530,783 03
Office Furniture and Appliances.....	103,685 40
Harbour Buildings.....	724,176 62
Central Heating Plants.....	129,617 05
Harbour Shops.....	340,709 04
Electric Power System.....	1,338,113 22
Water Supply System.....	710,208 88
Floating Equipment.....	2,252,926 74
Shore Equipment.....	670,587 29
Miscellaneous Small Plant.....	583,538 56
Engineering—General Surveys.....	606,402 98
Works under Construction.....	1,829,697 39
Sundry Expenditure—Undistributed.....	5,295,768 31
Bridge Construction and Right-of-Way, etc.....	19,630,575 45
	<u>\$ 221,786,199 74</u>

CURRENT

Cash.....	1,386,945 32
Accounts Receivable.....	971,547 05
Advances due on Capital Account.....	85,490 84
Advances due on Deficit Account.....	23,809 01
Stores on Hand.....	380,882 68
Accrued Revenue.....	88,337 20
Grain Overages.....	5,038 88
	<u>2,942,050 98</u>

INVESTMENTS.....	168,693 00
SECURITY DEPOSITS.....	389,710 89
REPLACEMENT FUND.....	3,979,506 89
FIRE AND GENERAL INSURANCE FUND.....	167,769 96
GENERAL WORKMEN'S COMPENSATION FUND.....	76,669 79
MISCELLANEOUS FUNDS.....	88,114 84
BOND DISCOUNT SUSPENSE ACCOUNT.....	281,603 46
PREPAID CHARGES.....	24,324 37
DEFERRED DEBITS.....	7,593 25

\$ 229,912,237 17

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1937

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....	\$ 23,218,994 76	
DOMINION GOVERNMENT ACCOUNT		
Loans and Advances (Interest Bearing).....	\$ 148,244,183 83	
Expenditure under Appropriations.....	49,092,044 51	
Government Loans Applied For—contra.....	85,490 84	
		197,421,719 18
ACCOUNTS PAYABLE—CONSTRUCTION.....		411,278 94
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		170,038 66
CURRENT		
Working Capital Advances.....	36,000 00	
Accounts Payable.....	356,857 09	
Salaries and Wages Payable.....	17,018 62	
Matured Interest Unpaid—		
Due Public.....	6,125 19	
Due Dominion Government.....	35,203,735 30	
Accrued Interest due Public.....	198,153 66	
Unclaimed Wages.....	440 17	
Other Current Liabilities.....	7,734 79	
		35,826,064 82
CONTRACTORS' HOLDBACKS—MAINTENANCE.....		2,370 37
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		389,710 89
RESERVES		
Replacement.....	6,218,437 70	
Fire and General Insurance.....	167,780 03	
General Workmen's Compensation.....	76,669 79	
		6,462,887 52
DEFERRED CREDITS.....		240,619 02
		264,143,684 16
SURPLUS AND DEFICIT ACCOUNT		
Balance as at December 31, 1936.....	29,036,987 55	
Net Income Deficit for 1937.....	5,565,677 86	
		34,602,665 41
Deduct		
Government Grants.....	\$ 249,596 21	
Adjustments in 1937.....	121,622 21	
		371,218 42
		34,231,446 99
		<u>\$ 229,912,237 17</u>

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the Ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year around and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates 7 main piers and wharves having about 13,600 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,273,000 square feet. In addition, the Board manages a 2,200,000 bushel grain elevator with a maximum loading capacity of 90,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,000,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

TRAFFIC

The volume of shipping using the harbour in 1937 showed a substantial increase over the previous year, the number of arrivals being 3,243, with an aggregate net registered tonnage of 4,050,719, as compared with 3,073 vessels in 1936 with an aggregate tonnage of 3,788,201.

Cargo tonnage, foreign and domestic, reached the record figure of 2,376,209. This compares with 2,140,458 tons in 1936, the increase being 235,751 tons, or 11%. The tonnage of agricultural products showed a slight decrease, accounted for by a drop in inward movements of corn, the receipts of which were heavy in the latter part of 1936 due to shortage in the United States crop. Shipments of apples and flour were considerably higher in 1937 than in 1936, the former being the result of the better apple crop in the Annapolis Valley. With the exception of agricultural products, as above noted, every commodity group showed an increase in tonnage over the previous year's figures. Movements of cured meats and other packing-house products, fish, non-ferrous metals, and miscellaneous manufactured goods were substantially greater than in the previous year.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Halifax during the calendar year 1937, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	3,243	4,050,719
Departures.....	3,236	4,050,078
Total 1937.....	6,479	8,100,797
“ 1936.....	6,094	7,525,916
“ 1935.....	5,907	7,687,153
“ 1934.....	5,513	8,768,615
“ 1933.....	5,893	8,639,474

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Halifax during the calendar year 1937.

Classification	Number of Vessels	Net Reg. Tonnage
<i>Arrivals</i>		
(1) Deep sea or ocean-going commercial.....	931	3,692,024
(2) Coastal or inland.....	1,291	251,473
(3) Fishery.....	989	60,124
(4) All others.....	32	47,098
(5) Total.....	3,243	4,050,719
<i>Departures</i>		
(1) Deep sea or ocean-going commercial.....	932	3,692,736
(2) Coastal or inland.....	1,293	251,812
(3) Fishery.....	980	59,508
(4) All others.....	31	46,022
(5) Total.....	3,236	4,050,078
<i>Total Arrivals and Departures.....</i>	<i>6,479</i>	<i>8,100,797</i>

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Halifax during the calendar year 1937, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	1,136,045	688,316	1,824,361
Domestic.....	198,367	353,481	551,848
<i>Total 1937.....</i>	<i>1,334,412</i>	<i>1,041,797</i>	<i>2,376,209</i>
“ 1936.....	1,260,100	880,358	2,140,458
“ 1935.....	1,212,386	983,443	*2,195,829
“ 1934.....	1,089,934	1,006,271	*2,096,205
“ 1933.....	992,628	758,400	*1,751,028

* Inclusive of cross harbour movements and bunkering, excluded in figures for 1936 and 1937.

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Halifax during the calendar year 1937, with comparison for 1936, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	3,582	52,443	56,025	63,044
2. Corn.....	25,866	217	26,083	75,421
3. Oats.....	58	1,656	1,714	1,688
4. Barley.....		11	11	8
5. Rye.....				
6. Flaxseed.....	1		1	
7. Other Grain.....	1,354	262	1,616	687
8. Flour.....	4,773	73,571	78,344	67,361
9. Other Mill Products.....	886	21,875	22,761	21,258
10. Hay and Straw.....	18	1,549	1,567	1,252
11. Cotton.....	565	6	571	189
12. Apples (fresh).....	1,784	74,377	76,161	56,169
13. Other Fruit (fresh).....	20,231	830	21,061	19,897
14. Potatoes.....	282	18,445	18,727	14,574
15. Other Fresh Vegetables.....	4,946	2,854	7,800	13,099
16. Other Agricultural Products.....	49,421	6,346	55,767	51,983
Total 1937.....	113,767	254,442	368,209	
" 1936.....	153,986	232,644		386,630
<i>Animal Products</i>				
17. Horses.....		20	20	21
18. Cattle and Calves.....	1	623	624	202
19. Sheep.....		1	1	
20. Hogs.....				3
21. Dressed Meats (fresh).....	17	2,317	2,334	1,949
22. Dressed Meats (cured-salted-canned).....	1,149	16,646	17,795	12,220
23. Other Packing House Products (edible).....	1,334	6,964	8,298	5,834
24. Poultry.....	1	817	818	509
25. Eggs.....		244	244	132
26. Butter.....	253	327	580	597
27. Cheese.....	158	803	961	879
28. Wool.....	6,895	140	7,035	6,489
29. Hides and Leather.....	2,255	1,674	3,929	3,381
30. Other Animal Products (non-edible).....	80	132	222	223
Total 1937.....	12,153	30,708	42,861	
" 1936.....	10,647	21,792		32,439
<i>Mine Products</i>				
31. Anthracite Coal.....	69,496	10	69,506	44,242
32. Bituminous Coal.....	100,282	137	100,419	97,149
33. Lignite Coal.....				
34. Coke.....	9,045	86	9,131	4,588
35. Iron Ores.....	162		162	17
36. Copper Ore and Concentrates.....	421	5,881	6,302	33,922
37. Other Ores and Concentrates.....	5,584	12,865	18,449	29,813
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	1,729	32,514	34,243	10,122
39. Sand and Gravel.....	186	34	220	159
40. Stone (crushed, ground, broken).....				2
41. Slate, Dimension or Block Stone.....	255	2	257	116
42. Crude Petroleum.....	739,082		739,082	644,827
43. Asphalt (Natural, By-Product Petroleum).....		5	5	27
44. Salt.....	9,979	638	10,617	9,476
45. Other Mine Products.....	301	1,779	2,080	1,698
Total 1937.....	936,522	53,951	990,473	
" 1936.....	818,827	57,331		876,158

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	514	362	876	585
47. Cordwood and Other Firewood.....				
48. Ties.....				
49. Pulpwood.....				
50. Lumber, Timber, Box, Crate and Cooperage Material.....	3,880	115,170	119,050	87,854
51. Other Forest Products.....	15,131	3,391	18,522	13,027
Total 1937.....	19,525	118,923	138,448	
“ 1936.....	17,145	84,321		101,466
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	7,556	307,854	315,410	238,080
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	1,238	9,825	11,063	46,572
54. Sugar.....	54,231	11,063	65,294	71,013
55. Iron, Pig and Bloom.....	33		33	248
56. Rails and Fastenings.....		131	131	111
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	2,932	2,927	5,859	4,548
58. Castings, Machinery and Boilers.....	1,574	616	2,190	1,582
59. Cement.....	38,326	1,038	39,364	36,171
60. Brick and Artificial Stone.....	1,500	845	2,345	1,437
61. Lime and Plaster.....	583	1,030	1,613	1,146
62. Agricultural Implements and Vehicles other than Autos.....	66	3,057	3,123	2,200
63. Sewer Pipe and Drain Tile.....	81	56	137	69
64. Automobiles, Auto Trucks and Auto Parts.....	912	36,332	37,244	41,061
65. Household Goods and Settlers' Effects.....	185	3,915	4,100	3,223
66. Furniture.....	775	1,156	1,931	1,177
67. Liquor Beverages.....	1,974	205	2,179	3,224
68. Fertilizers, all kinds.....	10,103	2,218	12,321	10,444
69. Newsprint Paper.....	7,176	40,270	47,446	43,847
70. Other Paper.....	1,255	3,643	4,898	3,393
71. Paper Board, Pulpboard and Wallboard (paper).....	162	11,373	11,535	8,734
72. Wood Pulp.....		1,693	1,693	1,330
73. Fish (fresh, frozen, cured, etc.).....	52,088	37,395	89,483	65,448
74. Canned Goods (all Canned Food Products except meats).....	3,631	10,317	13,948	14,977
75. Other Manufactures and Miscellaneous.....	66,064	96,814	162,878	143,730
Total 1937.....	252,445	583,773	836,218	
“ 1936.....	259,495	484,270		743,765
GRAND TOTAL 1937.....	1,334,412	1,041,797	2,376,209	
“ 1936.....	1,260,100	880,358		2,140,458
<i>Commodity Group</i>				
Agricultural.....	113,767	254,442	368,209	386,630
Animal.....	12,153	30,708	42,861	32,439
Mine.....	936,522	53,951	990,473	876,158
Forest.....	19,525	118,923	138,448	101,466
Manufactures and Miscellaneous.....	252,445	583,773	836,218	743,765
Total 1937.....	1,334,412	1,041,797	2,376,209	
“ 1936.....	1,260,100	880,358		2,140,458

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Halifax during the calendar year 1937, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	15,725	13,819	29,544
Coastwise.....	331	425	756
Total 1937.....	16,056	14,244	30,300
“ 1936.....	9,677	8,375	18,052
“ 1935.....	*11,055	10,814	21,869
“ 1934.....	*12,909	13,069	25,978
“ 1933.....	*17,376	15,052	32,428

* Figures are incomplete. Records not available for privately-owned piers 1933-35 inclusive.

4. GRAIN ELEVATOR

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Halifax during the calendar year 1937, with comparisons for previous years.

Classification	Receipts 1937	Shipments 1937	Total 1937	Total 1936
	(Bush.)	(Bush.)	(Bush.)	(Bush.)
Via water.....	1,865,589	1,864,937	3,730,526	4,193,289
Via rail.....	584,906	2,149,332	2,734,238	2,564,960
Via other.....	None	425,891	425,891	251,528
Total 1937.....	2,450,495	4,440,160	6,890,655	
“ 1936.....	3,604,141	3,405,636	7,009,777	
“ 1935.....	3,917,678	4,785,678	8,703,356	
“ 1934.....	3,407,715	2,517,046	5,924,761	
“ 1933.....	2,817,367	2,741,797	5,559,164	

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs as required for the proper upkeep of docks, sheds, grain elevator and equipment, cold storage buildings and equipment, roadways, water supply, heating and drainage systems were carried on throughout the year.

In addition, the following major maintenance projects were carried out, representing replacement in part of facilities requiring renewal:—

The timber revetment wall between piers Nos. 2 and 3, Deep Water Terminals, was redecked and strengthened by the addition of timber piling driven to replace the face of the old timber cribwork. At pier No. 2, Deep Water Terminals, the spring fender on the pier face was removed and replaced by fixed timber fendering. At the grain elevator further work was done on weather-proofing the storage bins, and the passenger elevator in the workhouse was overhauled and necessary replacements made thereto. At the cold storage terminals a package conveyor and brine freezing equipment were installed, the ammonia condensers in the power plant were retubed and an extension made to the car icing platform to provide for quicker dispatch of cars.

CAPITAL WORKS

No capital works were carried on during the year 1937.

REVENUES AND EXPENDITURES

Operating revenues in 1937, reflecting increased activity in the harbour, amounted to \$581,741, being \$71,562, or 14%, in excess of the earnings of 1936. Operating expenses amounted to \$429,472, and showed a decrease of \$3,567 from those of the previous year. The balance remaining after payment of these expenses was \$152,268 in 1937, as compared with \$77,139 in 1936. In 1935 the expenses exceeded the revenues by \$3,915.

After payment of interest on debt to the public, and charging reserve for replacements and interest due the Dominion Government, a net income deficit of \$603,837 was shown, as compared with a deficit of \$686,665 in 1936.

The operation of the cold storage warehouse resulted in an operating surplus of \$62,620, being by far the best result since the acquisition of this facility in 1933. The elevator showed a small operating loss.

REDEMPTION OF DEBENTURES

On November 1, 1937, there fell due \$964,338.37, 3% debentures, issued to the public in 1934 to finance the construction of transit sheds on pier "B." These debentures were redeemed from moneys advanced by the Dominion Government, the rate of interest charged being 3½%.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES

Harbour General			
Harbour Dues.....	\$	4,109 50	
Miscellaneous.....		4,207 71	
Wharves and Piers			\$ 8,317 21
Top Wharfage.....		175,042 05	
Dockage.....		57,751 45	
Miscellaneous.....		19,996 17	
Permanent Sheds			252,789 67
Shed Rentals.....		18,548 12	
Storage.....		19,534 72	
Miscellaneous.....		27,584 98	
Grain Elevator System			65,667 82
Elevation.....		24,420 06	
Storage.....		33,897 59	
Miscellaneous.....		6,403 81	
Cold Storage System			64,721 46
Storage.....		121,436 00	
Miscellaneous.....		44,972 30	
Miscellaneous—Outsiders.....			166,408 30
			23,836 98
			\$ 581,741 44

OPERATING EXPENSES

Administration.....			53,936 34
Operation and Maintenance			
Harbour General.....	44,681 57		
Roads, Fences and Boundaries.....	2,642 70		
Sewers and Drains.....	273 15		
Wharves and Piers.....	30,368 49		
Permanent Sheds.....	104,650 51		
Grain Elevator System.....	73,626 76		
Cold Storage System.....	103,787 61		
Miscellaneous—Outsiders.....	15,486 27		
Departmental Services Not Distributed.....	19 55	375,536 61	429,472 95

Operating Income..... 152,268 49

MISCELLANEOUS INCOME CREDITS..... 449 78

Total Income..... 152,718 27

MISCELLANEOUS DEDUCTIONS FROM INCOME

Reserve for Bad Debts..... 543 32

Income Available for Interest due Public..... 152,174 95

INTEREST ON DEBT TO THE PUBLIC..... 75,108 45

OTHER INCOME REQUIREMENTS

Reserve for Replacements..... 200,000 00

Interest due Dominion Government..... 480,903 93

Net Income Deficit..... \$ 603,837 43

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North shore of the Bay of Fundy, is open to navigation the year around and is served by both Canadian Pacific and Canadian National railways. It is accessible from the sea by a main channel six hundred feet wide with a minimum depth of thirty-five feet at extreme low tide. Here, the Board operates 7 main piers and wharves having some 12,500 linear feet of berthing with available drafts alongside varying from 25 feet to 35 feet at extreme low water, and 15 transit sheds, including a frostproof shed, with an aggregate floor space of about 716,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels and is connected to a majority of the berths by over two miles of conveyor galleries with a loading capacity of 60,000 bushels per hour. A 45 ton fixed derrick is available on the Navy Island quay side.

TRAFFIC

Cargo tonnage again reached a new record in 1937 exceeding all previous years since 1927 when the harbour facilities were transferred to the Dominion. Both inward and outward cargo showed a substantial increase over the preceding year, and, with the addition of several new services, the volume of shipping was also considerably higher.

Cargo tonnage totalled 2,018,412 tons, as compared with 1,724,361 tons in 1936, an increase of 294,051 tons, or 17%. Every commodity group showed an increase in traffic. Commodities which showed large gains included potatoes, forest products, newsprint, automobiles and other manufactured products.

Grain shipments through the port amounted to 12,224,325 bushels, which practically equalled the amount shipped in 1936.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Saint John during the calendar year 1937, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	2,105	2,501,594
Departures.....	2,098	2,504,049
Total 1937.....	4,203	5,005,643
“ 1936.....	3,903	4,830,884
“ 1935.....	3,904	4,677,660
“ 1934.....	4,092	4,964,499
“ 1933.....	3,818	4,510,355

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Saint John during the calendar year 1937.

Classification	Number of Vessels	Net. Reg. Tonnage
<i>Arrivals</i>		
1. Deepsea or ocean-going commercial.....	565	1,613,819
2. Coastal or inland.....	1,439	884,041
3. Fishery.....	88	1,021
4. All others.....	13	2,713
5. Total.....	2,105	2,501,594
<i>Departures</i>		
1. Deepsea or ocean-going commercial.....	529	1,569,442
2. Coastal or inland.....	1,467	930,866
3. Fishery.....	89	1,028
4. All others.....	13	2,713
5. Total.....	2,098	2,504,049
<i>Total Arrivals and Departures.....</i>	4,203	5,005,643

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Saint John during the calendar year 1937, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	468,500	1,133,528	1,602,028
Domestic.....	305,242	111,142	416,384
Total 1937.....	773,742	1,244,670	2,018,412
“ 1936.....	704,528	1,019,833	1,724,361
“ 1935.....	620,303	808,412	1,428,715
“ 1934.....	633,042	832,782	1,465,824
“ 1933.....	577,867	663,283	1,241,150

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Saint John during the calendar year 1937, with comparison for 1936, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1937	Outward 1937	Total	
			1937	1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....		297,201	297,201	345,019
2. Corn.....	15,477	17,276	32,753	21,568
3. Oats.....		4,628	4,628	4,307
4. Barley.....		17,132	17,132	5,702
5. Rye.....		134	134	
6. Flaxseed.....				
7. Other Grain.....	612	345	957	
8. Flour.....	5	61,994	61,999	64,480
9. Other Mill Products.....	971	19,219	20,190	11,637
10. Hay and Straw.....		6,486	6,486	3,520
11. Cotton.....		509	509	7,359
12. Apples (fresh).....		2,751	2,751	4,022
13. Other Fruit (fresh).....	28,299	25	28,324	20,016
14. Potatoes.....		55,353	55,353	17,194
15. Other Fresh Vegetables.....	4,803	5,945	10,748	19,864
16. Other Agricultural Products.....	31,418	1,766	33,184	25,783
Total 1937.....	81,585	490,764	572,349	
" 1936.....	81,118	469,353		550,471
<i>Animal Products</i>				
17. Horses.....				7
18. Cattle and Calves.....		319	319	3,555
19. Sheep.....				
20. Hogs.....				
21. Dressed Meats (fresh).....	5	16,264	16,269	11,856
22. Dressed Meats (cured-salted-canned).....	619	14,949	15,568	13,740
23. Other Packing House Products (edible).....	1,629	11,458	13,087	10,153
24. Poultry.....		1,003	1,003	506
25. Eggs.....		93	93	1
26. Butter.....				
27. Cheese.....	171	104	275	309
28. Wool.....	2,336	442	2,778	384
29. Hides and Leather.....	924	1,115	2,039	552
30. Other Animal Products (Non-edible).....	360		360	993
Total 1937.....	6,044	45,747	51,791	
" 1936.....	1,812	40,244		42,056
<i>Mine Products</i>				
31. Anthracite Coal.....	90,709		90,709	79,072
32. Bituminous Coal.....	133,703	55	133,758	143,936
33. Lignite Coal.....				
34. Coke.....	660		660	638
35. Iron Ores.....				
36. Copper Ore and Concentrates.....	171	407	578	
37. Other Ores and Concentrates.....	2,394	1,195	3,589	68
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	2,697	46,154	48,851	61,324
39. Sand and Gravel.....		101	101	212
40. Stone (crushed, ground, broken).....				
41. Slate, Dimension or Block Stone.....	448		448	576
42. Crude Petroleum.....				
43. Asphalt (Natural, By-Product Petroleum).....	284		284	
44. Salt.....	3,230	2	3,232	3,609
45. Other Mine Products.....	16,036	8,433	24,469	7,448
Total 1937.....	250,332	56,347	306,679	
" 1936.....	241,953	54,930		296,883

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1937	Outward 1937	Total	
			1937	1936
	(Tons)	(Tons)	(Tons)	(Tons)
Forest Products				
46. Logs, Posts, Poles, Piling.....		10,075	10,075	1
47. Cordwood and Other Firewood.....				
48. Ties.....				
49. Pulpwood.....		12,330	12,330	
50. Lumber, Timber, Box, Crate and Cooperage Material.....	9,202	187,152	196,354	139,503
51. Other Forest Products.....	2,069	45	2,114	141
Total 1937.....	11,271	209,602	220,873	
“ 1936.....	6,238	133,407		139,645
Manufactures and Miscellaneous				
52. Gasoline.....	76,529	13,986	90,515	79,127
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	31,168	163	31,331	29,034
54. Sugar.....	82,848	20,160	103,008	113,015
55. Iron, Pig and Bloom.....				
56. Rails and Fastenings.....				583
57. Iron and Steel (Bar, Sheet, Structural, Pipe)....	9,663	9,183	18,846	24,899
58. Castings, Machinery and Boilers.....	3,171	1,708	4,879	6,702
59. Cement.....	201	22	223	67
60. Brick and Artificial Stone.....	1,827	48	1,875	1,490
61. Lime and Plaster.....				161
62. Agricultural Implements and Vehicles other than Autos.....	1,719	4,326	6,045	4,708
63. Sewer Pipe and Drain Tile.....		71	71	104
64. Automobiles, Auto Trucks and Auto Parts.....	2,245	77,226	79,471	64,456
65. Household Goods and Settlers' Effects.....	924	2,030	2,954	508
66. Furniture.....	495	225	720	30
67. Liquor Beverages.....	2,026	46	2,072	1,454
68. Fertilizers, all kinds.....	52,238	239	52,477	33,561
69. Newsprint Paper.....		100,242	100,242	42,609
70. Other Paper.....	1,066	4,891	5,957	1,624
71. Paper Board, Pulpboard and Wallboard (paper)...	67	20,083	20,150	9,657
72. Wood Pulp.....	1	42,138	42,139	26,246
73. Fish (fresh, frozen, cured, etc.).....	860	5,895	6,755	2,092
74. Canned Goods (all Canned Food Products, except meats).....	2,522	4,187	6,709	3,671
75. Other Manufactures and Miscellaneous.....	154,940	135,341	290,281	249,508
Total 1937.....	424,510	442,210	866,720	
“ 1936.....	373,407	321,899		695,306
Grand Total 1937.....	773,742	1,244,670	2,018,412	
“ 1936.....	704,528	1,019,833		1,724,361
COMMODITY GROUP				
Agricultural.....	81,585	490,764	572,349	550,471
Animal.....	6,044	45,747	51,791	42,056
Mine.....	250,332	56,347	306,679	296,883
Forest.....	11,271	209,602	220,873	139,645
Manufactures and Miscellaneous.....	424,510	442,210	866,720	695,306
Total 1937.....	773,742	1,244,670	2,018,412	
“ 1936.....	704,528	1,019,833		1,724,361

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Saint John during the calendar year 1937, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	14,070	16,595	30,665
Coastwise.....	26,432	23,037	49,469
Total 1937.....	40,502	39,632	80,134
“ 1936.....	33,009	31,013	64,022

(Figures for previous years not available.)

4. GRAIN ELEVATORS

Statement showing the total quantity of grain handled at terminal elevators at the harbour of Saint John, during the calendar year 1937, with comparisons for previous years.

Classification	Receipts 1937	Shipments 1937	Total 1937	Total 1936
	(Bush.)	(Bush.)	(Bush.)	(Bush.)
Via water.....	474,279	11,494,559	11,968,838	12,514,230
Via rail.....	10,968,160	729,766	11,697,926	12,451,694
Via other.....				
Total 1937.....	11,442,439	12,224,325	23,666,764	.....
“ 1936.....	12,654,785	12,311,139	24,965,924	.....
“ 1935.....	6,961,250	6,803,820	13,765,070	.....
“ 1934.....	7,905,841	6,586,845	14,492,686	.....
“ 1933.....	6,039,407	6,660,798	12,700,205	.....

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance work during 1937 consisted of the necessary repairs to, and upkeep of, wharves, transit sheds, grain elevator and conveyor system, roadways, water supply, heating and drainage systems. Timber wharf decks were repaired, and floating timber fenders overhauled. Mooring posts in some of the timber wharves were replaced. Shed doors, windows, roofs and floors were repaired and steel work painted. Grain elevator equipment was overhauled and a portion of conveyor gallery steelwork painted. Heating plant equipment and piping were reconditioned and fire protection equipment and water supply system given required attention.

As a major maintenance work, all berths on the west side of the harbour and the two Long Wharf berths were dredged by contract, to provide a draft of thirty feet at extreme low tide at all berths except berths 11 and 14. Other major items were the replacement of the timber road approach to berths 5 and 6 and the timber apron deck on the east side of Long Wharf, repairs to the concrete face wall of berths 12 and 13, and the painting of the exterior steelwork of sheds 7 and 12 and part of the interior steel framework on the interior of sheds 11 and 12. On the east side of the harbour the timber roadway approach and part of the deck of MacLeod and Pettingill wharves was replaced. The interior of several transit shed offices were repainted.

CAPITAL WORKS

Berths, 8, 9, 10 and 11 (formerly 4, 3, 2 and 1, respectively)—This work, initiated under the Public Works Construction Act, 1934, was carried to completion in 1937 under two contracts, one covering the demolition and removal by dredging of the original wharves destroyed by fire in 1931, and a second contract covering the construction of new concrete wharves. Under the demolition contract, the Saint John Dry Dock and Shipbuilding Company, Limited, in the fall of 1937, after the new wharves were completed, dredged the berths for a width of 100 feet to final grade providing 30 foot draft, at extreme low tide, at berths Nos. 8 and 9, and 35 foot draft at berths Nos. 10 and 11, this work being completed and the new berths made available to shipping at the opening of the winter port season at the beginning of December, 1937. The Foundation Company of Canada, Limited, carried on the construction of the new wharves, with precast cylinder substructure and concrete superstructure, work being completed on October 15, 1937. Cylinder sinking was completed in January, 1937, when all of the 208 cylinders of the substructure were founded on the underlying rock, in some cases cylinders penetrating to a depth of 82 feet below extreme low tide to reach rock. The construction of the timber relieving platform, placing of rock fill and stone protection on the excavated slopes and construction of cylinder extensions, intermediate columns and back wall were followed by the application of the concrete deck slab. By July 1, berths Nos. 10 and 11 superstructure was ready for the erection of the shed which the Board had arranged to have constructed thereon, and on October 15, the contractor completed all work under the contract and removed their plant and organization. The completion of these wharves increased the harbour berthing accommodation by approximately 2,100 linear feet.

Berths Nos. 10 and 11 Transit Shed.—A contract for the construction of a shed on the new wharf at berths Nos. 10 and 11 was awarded to Stewart Construction Company, Limited, in May, 1937. The erection of the steel frame, metal sheathed, single storey shed, 91 feet wide by 685 feet long, with enclosed car loading platform, was commenced in August and sufficiently advanced to be

available for the accommodation of cargo in December and at the end of the year was completed. The Canadian Pacific Railway Company laid tracks during December to serve this shed, as well as open berths Nos. 8 and 9 adjacent. Transit shed equipment, consisting of cargo and passenger gangway, ships' water supply, fire protection and fire alarm systems, water meters and first aid equipment were purchased and installed by the Board in the new transit shed, as construction progress permitted.

Longshoremen's Building and Offices.—A contract was let in October to Mooney Construction Company, Limited, for the erection of a single storey 33 ft. x 52 ft. longshoremen's building in rear of berth No. 10 and offices of two storeys, 22 ft. x 35 ft., in new transit shed, together with heating system and toilet facilities. These were completed and put in service in December, 1937.

Heavy Lift Derrick.—A derrick, with a capacity of 45 tons, which had been damaged by the fire of 1931, was reconditioned, provided with new electric hoist and installed by the Board's own maintenance forces, at the outer end of Navy Island quay.

REVENUES AND EXPENDITURES

Operating revenues in 1937 amounted to \$435,953, exceeding those of 1936 by \$68,505, or 19%. Operating and maintenance expenses were \$240,302, as compared with \$256,380, a decrease of \$16,078. The balance remaining after payment of these expenses was \$195,650 in 1937, as compared with \$111,068 in 1936 and \$51,845 in 1935.

After payment of interest on debentures in the hands of the public, and after providing for reserve for replacements and interest due the Dominion Government, a net income deficit of \$849,132 was shown, as compared with a deficit of \$919,977 in the previous year.

REDEMPTION OF DEBENTURES

Debenture indebtedness to the public amounting to \$1,729,865 was paid off during the year. The issues retired were as follows: \$1,424,865, 3% 3-year debentures, due January 1, 1937, \$180,000, 4% debentures, due May 1, 1937, and \$125,000, 4% debentures, due November 1, 1937, the last two amounts being obligations of the City of Saint John, assumed by the Saint John Harbour Commissioners. Advances bearing interest at 3½% per annum were obtained from the Dominion Government to retire these debentures, \$1,424,865 having been borrowed on December 31, 1936 and \$305,000 during 1937.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 23,206 43	
Miscellaneous.....	14,485 03	
	<u> </u>	\$ 37,691 46

Wharves and Piers

Top Wharfage.....	194,277 45	
Dockage.....	76,601 69	
Miscellaneous.....	3,802 97	
	<u> </u>	274,682 11

Permanent Sheds

Shed Rentals.....	30,127 22	
Storage.....	7,775 93	
	<u> </u>	37,903 15

Shed Hoists..... 115 00

Railway System..... 336 00

Grain Elevator System

Receipts from joint operation..... 76,880 36

Miscellaneous—Outsiders..... 8,345 06

\$ 435,953 14

OPERATING EXPENSES

Administration..... 33,010 03

Operation and Maintenance

Harbour Dredging.....	28,408 93	
Harbour General.....	36,289 15	
Vehicular Bridges.....	203 32	
Roads, Fences and Boundaries.....	2,813 04	
Sewers and Drains.....	263 29	
Wharves and Piers.....	33,074 20	
Permanent Sheds.....	54,742 38	
Shed Hoists.....	9 31	
Grain Elevator System.....	46,309 79	
Miscellaneous—Outsiders.....	5,178 88	
	<u> </u>	207,292 29

240,302 32

Operating Income..... 195,650 82

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 111 61

MISCELLANEOUS INCOME CREDITS..... 586 88

698 49

Total Income..... 196,349 31

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income Received from Reserve Funds Transferred to Reserves..... 111 61

Miscellaneous Income Charges..... 8,535 09

8,646 70

Income Available for Interest due Public..... 187,702 61

INTEREST ON DEBT TO THE PUBLIC..... 82,285 90

105,416 71

OTHER INCOME REQUIREMENTS

Reserve for Replacements..... 200,000 00

Interest due Dominion Government..... 754,549 30

954,549 30Net Income Deficit..... \$ 849,132 59

BALANCE SHEET AS AT DECEMBER 31, 1937

52874—5

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 130 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 30 feet draft, a concrete fireproof shed 400 feet by 60 feet, a frame shed 100 feet by 40 feet and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railway.

TRAFFIC

Traffic for 1937 showed an increase over 1936 both in the volume of shipping and in tonnage of cargo received in and shipped from the harbour. Cargo tonnage amounted to 116,432 tons in 1937, showing an increase of 43,188, or 59%, over the figure of 73,244 tons recorded in the previous year. Inward movement of coal accounted for most of this increase.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Chicoutimi during the calendar year 1937, with comparisons for previous years.

	Number Vessels	Net Reg. Tonnage
Arrivals.....	209	57,971
Departures.....	214	59,369
Total 1937.....	423	117,340
“ 1936.....	406	85,026
“ 1935.....	346	72,739
“ 1934.....	323	68,303
“ 1933.....	310	52,707

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Chicoutimi during the calendar year 1937.

Classification	Number Vessels	Net Reg. Tonnage
Arrivals		
1. Deepsea or ocean-going commercial.....	6	9,763
2. Coastal or inland.....	194	44,796
3. Fishery.....		
4. All others.....	9	3,412
5. Total.....	209	57,971
Departures		
1. Deepsea or ocean-going commercial.....	6	9,763
2. Coastal or inland.....	196	44,982
3. Fishery.....		
4. All others.....	12	4,624
5. Total.....	214	59,369
Total Arrivals and Departures.....	423	117,340

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Chicoutimi during the calendar year 1937, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	52,511	.....	52,511
Domestic.....	59,407	4,514	63,921
Total 1937.....	111,918	4,514	116,432
“ 1936.....	67,436	5,808	* 73,244
“ 1935.....	41,190	5,125	46,315
“ 1934.....	49,412	2,319	51,731
“ 1933.....	25,617	1,999	27,616

*Revised figures.

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Chicoutimi during the calendar year 1937, with comparison for 1936, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1937	Outward 1937	Total	
			1937	1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	106	.....	106	10
2. Corn.....	133	4	137	75
3. Oats.....	679	69	748	102
4. Barley.....	63	3	66	.....
5. Rye.....	.....	.....	.....	.....
6. Flaxseed.....	2	1	3	.....
7. Other grain.....	393	3	396	.....
8. Flour.....	841	55	896	981
9. Other Mill Products.....	624	20	644	725
10. Hay and Straw.....	274	62	336	.....
11. Cotton.....	.....	.....	.....	.....
12. Apples (fresh).....	25	1	26	.....
13. Other Fruit (fresh).....	26	1	27	.....
14. Potatoes.....	355	1	356	289
15. Other Fresh Vegetables.....	121	1	122	197
16. Other Agricultural Products.....	419	6	425	30
Total 1937.....	4,061	227	4,288	.....
“ 1936.....	3,400	9	.....	3,409
<i>Animal Products</i>				
17. Horses.....	.....	6	6	.....
18. Cattle and Calves.....	1	.....	1	.....
19. Sheep.....	.....	.....	.....	.....
20. Hogs.....	.....	.....	.....	.....
21. Dressed Meats (fresh).....	.....	.....	.....	.....
22. Dressed Meats (cured-salted-canned).....	191	4	195	.....
23. Other Packing House Products (edible).....	67	8	75	109
24. Poultry.....	.....	.....	.....	.....
25. Eggs.....	.....	.....	.....	.....
26. Butter.....	72	9	81	803
27. Cheese.....	7	1,357	1,364	.....
28. Wool.....	33	.....	33	79
29. Hides and Leather.....	6	90	96	80
30. Other Animal Products (non-edible).....	8	.....	8	.....
Total 1937.....	385	1,474	1,859	.....
“ 1936.....	368	703	.....	1,071

CARGO TONNAGE BY COMMODITIES—Continued

Commodities	Inward 1937	Outward 1937	Total	
			1937	1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Mine Products</i>				
31. Anthracite Coal.....	10,354		10,354	5,585
32. Bituminous Coal.....	71,414		71,414	45,894
33. Lignite Coal.....				
34. Coke.....				
35. Iron Ores.....				
36. Copper Ore and Concentrates.....				
37. Other Ores and Concentrates.....	4,783		4,783	
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....				
39. Sand and Gravel.....				
40. Stone (crushed, ground, broken).....				142
41. Slate, Dimension or Block Stone.....	1	374	375	
42. Crude Petroleum.....				
43. Asphalt (natural, by-product Petroleum).....	26		26	
44. Salt.....	1,308	4	1,312	924
45. Other Mine Products.....	3,937		3,937	1,131
Total 1937.....	91,823	378	92,201	
" 1936.....	53,535	141		53,676
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....				
47. Cordwood and other Firewood.....	1,276		1,276	1,400
48. Ties.....				
49. Pulpwood.....		743	743	
50. Lumber, Timber, Box, Crate and Cooperage Material.....	1,929	203	2,132	405
51. Other Forest Products.....	113		113	
Total 1937.....	3,318	946	4,264	
" 1936.....	1,685	120		1,805
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	411	96	507	
53. Petroleum Oils and other Petroleum Products (except asphalt and gasoline).....	684	17	701	418
54. Sugar.....	2,018	25	2,043	2,254
55. Iron, Pig and Bloom.....				
56. Rails and Fastenings.....				
57. Iron and Steel (bar, sheet, structural, pipe).....	673	1	674	
58. Castings, Machinery and Boilers.....				
59. Cement.....	5		5	
60. Brick and Artificial Stone.....				
61. Lime and Plaster.....	41		41	
62. Agricultural Implements and Vehicles other than Autos.....	1		1	
63. Sewer Pipe and Drain Tile.....	56		56	
64. Automobiles, Auto Trucks and Auto Parts.....	24	7	31	61
65. Household Goods and Settlers' Effects.....	24	4	28	25
66. Furniture.....	125	100	225	168
67. Liquor Beverages.....	1,952	626	2,578	1,318
68. Fertilizers, all kinds.....	108	7	115	73
69. Newspaper Paper.....		314	314	3,914
70. Other Paper.....	120	1	121	
71. Paper Board, Pulpboard and Wallboard (paper).....	71		71	
72. Wood Pulp.....				
73. Fish (fresh, frozen, cured, etc.).....	278	3	281	
74. Canned Goods (all canned food products except meats).....	870	5	875	260
75. Other Manufactures and Miscellaneous.....	4,870	283	5,153	6,282
Total 1937.....	12,331	1,489	13,820	
" 1936.....	9,938	4,835		14,773
Grand Total 1937.....	111,918	4,514	116,432	
" 1936.....	68,926	5,808		* 74,734

*Includes 1,490 tons cross harbour movement not shown in summary.

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1937	Outward 1937	Total	
			1937	1936
	(Tons)	(Tons)	(Tons)	(Tons)
COMMODITY GROUP—				
Agricultural.....	4,061	227	4,288	3,409
Animal.....	385	1,474	1,859	1,071
Mine.....	91,823	378	92,201	53,676
Forest.....	3,318	946	4,264	1,805
Manufactures and Miscellaneous.....	12,331	1,489	13,820	14,773
Total 1937.....	111,918	4,514	116,432	.....
“ 1936.....	68,926	5,808	.....	*74,734

*Includes 1,490 tons cross harbour movement not shown in summary.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs, as required for the operation of facilities in the harbour, were carried out during the year on the wharves, roads, fenders, sheds, railway system and floating equipment. Items of major maintenance consisted of replacing the railway cross-over track between tracks 1 and 2 and realignment of the tracks.

CAPITAL WORKS

Road Improvements.—The roads on the Board's property, having a total length of about 8,700 feet, were of gravel construction surfaced in 1935, and were beginning to show signs of wear and ravelling. A contract was let to the Department of Labour of the Government of the Province of Quebec to surface about 18,400 square yards of the Board's roads between the bridge across the Saguenay River and the east end of the wharf, with a three inch premix asphalt top, including all grading, scarifying, filling and dragging necessary to put the foundations of these roads in a satisfactory condition to receive the top. The work under this contract was started in October but due to bad weather conditions in the fall the whole of the work contemplated was not completed, but all the foundations were prepared to receive the asphalt top and the surfacing was completed on about 13,000 square yards. This work was executed for the Board in conjunction with other similar work being carried on by the Province in the district as unemployment relief measures.

REVENUES AND EXPENDITURES

Operating revenues in 1937 totalled \$21,750, showing a small increase over the receipts of \$21,307 in the previous year. Operating and maintenance expenditures were \$14,361 in 1937, as against \$18,639 in 1936, showing a reduction of \$4,278. After payment of interest due the public and charging reserve for replacements and interest on debt to the Government, there was a net income deficit of \$208,416, as compared with a deficit of \$210,445 in 1936.

REDEMPTION OF DEBENTURES

On March 1, 1937, \$257,000 of 3% debentures, held by the public, matured. These debentures were redeemed from moneys advanced by the Dominion Government, the rate of interest charged being $3\frac{1}{2}\%$.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 2,374 53	
Miscellaneous.....	240 00	
	<u>\$</u>	2,614 53

Wharves and Piers

Top Wharfage.....	11,107 82	
Dockage.....	895 50	
Miscellaneous.....	4,166 69	
	<u></u>	16,170 01

Permanent Sheds

Shed Rentals.....	637 50	
Storage.....	941 31	
Miscellaneous.....	315 15	
	<u></u>	1,893 96

Railway System.....	79 50	
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Miscellaneous—Outsiders.....	992 32	
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\$ 21,750 32

OPERATING EXPENSES

Administration.....	6,339 47	
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Operation and Maintenance

Harbour General.....	2,414 03	
Roads, Fences and Boundaries.....	112 43	
Wharves and Piers.....	2,613 07	
Permanent Sheds.....	142 76	
Railway System.....	2,533 93	
Miscellaneous—Outsiders.....	205 54	
	<u></u>	8,021 76

14,361 23

Operating Income.....	7,389 09
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INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	1 66
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Total Income.....	7,390 75
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income Received from Reserve

Funds transferred to Reserves.....	1 66	
Miscellaneous Income Charges.....	86 78	
	<u></u>	88 44

Income Available for Interest due Public.....	7,302 31
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INTEREST ON DEBT TO THE PUBLIC.....	1,285 00
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6,017 31

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	30,000 00	
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Interest due Dominion Government.....	184,434 05	
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214,434 05

Net Income Deficit.....	\$ 208,416 74
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Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1937

ASSETS

FIXED

Harbour Dredging.....	\$ 467,172 01
Roads, Fences and Boundaries.....	100,857 91
Sewers and Drains.....	165,653 09
Wharves and Piers.....	3,378,245 10
Permanent Sheds.....	123,999 65
Railway System.....	47,524 71
Water Supply System.....	17,177 13
Floating Equipment.....	31,561 64
Engineering—General Surveys.....	18,375 66
Work under Construction.....	10,349 42
	<u>\$ 4,360,916 32</u>

CURRENT

Cash—Receiver General of Canada.....	\$ 5,289 04
Cash on Hand.....	630 82
Accounts Receivable.....	5,919 86
	<u>2,797 67</u>

FIRE AND GENERAL INSURANCE FUND.....	8,717 53
PREPAID CHARGES.....	1,001 66
DEFERRED DEBITS.....	773 31
	<u>2,921 17</u>

\$ 4,374,329 99

LIABILITIES

DOMINION GOVERNMENT ACCOUNT

Loans and Advances (Interesting bearing)...	\$ 3,795,600 00
Expenditure under Appropriations.....	555,048 90
	<u>\$ 4,350,648 90</u>

12,022 56

ACCOUNTS PAYABLE—CONSTRUCTION.....

CURRENT	
Accounts Payable.....	2,899 59
Matured Interest due Dominion Government	1,041,533 60
	<u>1,044,433 19</u>

RESERVES

Replacement.....	60,000 00
Fire and General Insurance.....	1,001 66
	<u>61,001 66</u>

DEFERRED CREDITS.....

792 39

5,468,898 70

SURPLUS AND DEFICIT ACCOUNT

Deficit as at December 31, 1936.....	886,151 97
Net Income Deficit for 1937.....	208,416 74
	<u>1,094,568 71</u>

\$ 4,374,329 99

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles Rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having about 19,000 linear feet of berthing, 9 transit sheds with a total floor area of 721,260 square feet, 32 miles of standard gauge terminal railway, a grain elevator with a capacity of 4,000,000 bushels and 2,600 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour; also, a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 50 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

TRAFFIC

The net registered tonnage of vessels arriving at and departing from the harbour in 1937 was 8,216,532, as compared with 8,169,819 in 1936.

Cargo tonnage totalled 1,685,391 as compared with 1,856,142 tons in 1936, a decrease of 170,751 tons. This result is explained by the reduction in the tonnage of wheat received and shipped, which, as a direct consequence of pre-vailing crop conditions, showed a decrease from the previous year of 227,862 tons. Commodities in which gains were registered included flour, bituminous coal, cement, pulpwood, ores and concentrates, petroleum, and other mine products, including asbestos.

The number of cars handled by the Board's terminal railway totalled 23,837 cars, as against 19,105 for the year 1936.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Quebec during the calendar year 1937, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	4,165	4,130,924
Departures.....	4,103	4,085,608
Total 1937.....	8,268	8,216,532
“ 1936.....	6,204	8,169,819

(Comparative figures for previous years not available,)

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Quebec during the calendar year 1937.

Classification	Number of Vessels	Net Reg. Tonnage
<i>Arrivals</i>		
1. Deepsea or ocean-going commercial.....	393	2,279,604
2. Coastal or inland.....	3,751	1,829,359
3. Fishery.....		
4. All others.....	21	21,961
5. Total.....	4,165	4,130,924
<i>Departures</i>		
1. Deepsea or ocean-going commercial.....	395	2,283,305
2. Coastal or inland.....	3,687	1,780,342
3. Fishery.....		
4. All others.....	21	21,961
5. Total.....	4,103	4,085,608
<i>Total Arrivals and Departures.....</i>	8,268	8,216,532

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Quebec during the calendar year 1937, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
1. Foreign.....	248,907	257,077	505,984
2. Domestic.....	979,627	199,780	1,179,407
3. Total 1937.....	1,228,534	456,857	1,685,391
“ 1936.....	1,315,319	540,823	1,856,142
“ 1935.....	1,188,774	451,113	1,639,887

(Comparative figures for previous years not available.)

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Quebec during the calendar year 1937, with comparisons for 1936, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	3,142	14,535	17,677	245,539
2. Corn.....	20,529	15,145	35,674	61,443
3. Oats.....	14,463	60	14,523	12,036
4. Barley.....	3,074		3,074	7,877
5. Rye.....				
6. Flaxseed.....	4		4	
7. Other Grain.....	430	247	677	25
8. Flour.....	16,175	1,583	17,758	14,019
9. Other Mill Products.....	1,069	12	1,081	2,501
10. Hay and Straw.....	520	169	689	20
11. Cotton.....				
12. Apples (fresh).....	18	114	132	1,586
13. Other Fruit (fresh).....	928	400	1,328	914
14. Potatoes.....	620	103	723	
15. Other Fresh Vegetables.....	460	97	557	158
16. Other Agricultural Products.....	2,230	12,854	15,084	1,216
Total 1937.....	63,662	45,319	108,981	
" 1936.....	181,998	165,336		347,334
<i>Animal Products</i>				
17. Horses.....		21	21	
18. Cattle and Calves.....	56	2	58	70
19. Sheep.....	17		17	16
20. Hogs.....				1
21. Dressed Meats (fresh).....		196	196	
22. Dressed Meats (cured-salted-canned).....	110	673	783	105
23. Other Packing House Products (edible).....	206	183	389	
24. Poultry.....				
25. Eggs.....	46	13	59	
26. Butter.....	37	99	136	61
27. Cheese.....	110	810	920	851
28. Wool.....	1		1	14
29. Hides and Leather.....	95	20	115	49
30. Other Animal Products (non-edible).....	128	103	231	
Total 1937.....	806	2,120	2,926	
" 1936.....	253	914		1,167
<i>Mine Products</i>				
31. Anthracite Coal.....	152,225	16	152,241	161,686
32. Bituminous Coal.....	563,436	1,878	565,314	527,094
33. Lignite Coal.....				
34. Coke.....				
35. Iron Ores.....	599		599	68,764
36. Copper Ore and Concentrates.....				
37. Other Ores and Concentrates.....		41,846	41,846	18,351
38. Base Bullion, Matte, Pig and Ignat (non-ferrous metals).....				8
39. Sand and Gravel.....				
40. Stone (crushed, ground, broken).....	1,250	35	1,285	4
41. Slate, Dimension or Block Stone.....	2		2	
42. Crude Petroleum.....	130,583		130,583	96,260
43. Asphalt (Natural, By-product Petroleum).....	2	1	3	
44. Salt.....	7,867	179	8,046	8,317
45. Other Mine Products.....	29,780	75,371	105,151	73,471
Total 1937.....	885,744	119,326	1,005,070	
" 1936.....	468,354	131,877		953,955

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	4	1,387	1,391	2,532
47. Cordwood and Other Firewood.....	27	210	237	.....
48. Ties.....	400	.....	400	151
49. Pulpwood.....	105,490	127,340	232,830	171,916
50. Lumber, Timber, Box, Crate and Cooperage Material.....	16,653	15,808	32,461	49,259
51. Other Forest Products.....	280	1,879	2,159	.....
Total 1937.....	122,854	146,624	269,478	.....
" 1936.....	145,423	78,435	.....	223,858
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	20,173	399	20,572	57,872
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	.....	.....	.....	12
54. Sugar.....	4,477	975	5,452	3,822
55. Iron, Pig and Bloom.....	12	1	13	.....
56. Rails and Fastenings.....	18	.....	18	.....
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	995	301	1,296	3,799
58. Castings, Machinery and Boilers.....	412	17	429	660
59. Cement.....	28,552	32	28,584	19,476
60. Brick and Artificial Stone.....	1,375	571	1,946	180
61. Lime and Plaster.....	.....	.....	.....	7
62. Agricultural Implements and Vehicles other than Autos.....	24	65	89	3
63. Sewer Pipe and Drain Tile.....	48	56	104	.....
64. Automobiles, Auto Trucks and Auto Parts.....	297	173	470	449
65. Household Goods and Settlers' Effects.....	13	15	28	112
66. Furniture.....	86	67	153	55
67. Liquor Beverages.....	824	76	900	734
68. Fertilizers, all kinds.....	9,417	131	9,548	12,571
69. Newsprint Paper.....	.....	100,932	100,932	105,850
70. Other Paper.....	168	5	173	55
71. Paper Board, Pulpboard and Wallboard (paper)...	7	426	433	1,520
72. Wood Pulp.....	86	.....	86	52
73. Fish (fresh, frozen, cured, etc.).....	410	77	487	414
74. Canned Goods (all Canned Food Products, except meats).....	180	313	493	793
75. Other Manufactures and Miscellaneous.....	87,894	38,836	126,730	121,286
Total 1937.....	155,468	143,468	298,936	.....
" 1936.....	165,567	164,261	.....	329,828
Grand Total 1937.....	1,228,534	456,857	1,685,391	.....
" 1936.....	1,315,319	540,823	.....	1,856,142
<i>COMMODITY GROUP—</i>				
Agricultural.....	63,662	45,319	108,981	347,334
Animal.....	806	2,120	2,926	1,167
Mine.....	885,744	119,326	1,005,070	953,955
Forest.....	122,854	146,624	269,478	223,858
Manufactures and Miscellaneous.....	155,468	143,468	298,936	329,828
Total 1937.....	1,228,534	456,857	1,685,391	.....
" 1936.....	1,315,319	540,823	.....	1,856,142

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Quebec during the calendar year 1937, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	15,749	8,727	24,476
Coastwise.....	27,254	27,499	54,753
Total 1937.....	43,003	36,226	79,229
" 1936.....	45,519	42,197	87,716
" 1935.....	44,233	39,381	83,614
" 1934.....	42,587	43,017	85,604
" 1933.....	43,864	45,135	88,999

4. GRAIN ELEVATOR

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Quebec during the calendar year 1937, with comparisons for previous years.

Classification	Receipts 1937	Shipments 1937	Total 1937	Total 1936
	(Bush.)	(Bush.)	(Bush.)	(Bush.)
Via water.....	1,799,747	832,943	2,632,690	11,415,172
Via rail.....	196,714	962,271	1,158,985	545,980
Via other.....		1,494,511	1,494,511	1,272,501
Total 1937.....	1,996,461	3,289,725	5,286,186	
" 1936.....	6,111,765	7,121,888	13,233,653	
" 1935.....	4,250,016	3,239,667	7,489,683	
" 1934.....	7,392,453	8,002,138	15,394,591	
" 1933.....	16,792,659	16,716,535	33,509,194	

5. TERMINAL RAILWAY

Statement showing the total number of railway cars handled by the National Harbours Board terminal railway at the harbour of Quebec during the calendar year 1937, with comparisons for 1936.

Classification	1937	1936
Received from connecting lines		
1. Revenue cars.....	5,563	4,407
2. Non-revenue cars.....	5,884	4,509
3. Total.....	11,447	8,916
Delivered to connecting lines		
1. Revenue cars.....	6,380	4,969
2. Non-revenue cars.....	5,052	3,958
3. Total.....	11,432	8,927
Switched locally		
1. Revenue cars.....	479	631
2. Non-revenue cars.....	479	631
3. Total.....	958	1,262
Total		
1. Revenue cars.....	12,422	10,007
2. Non-revenue cars.....	11,415	9,098
3. Total.....	23,837	19,105

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance of harbour properties included the overhaul and running repairs to plant and equipment, maintenance of wharves, floating fenders, sheds, the grain elevator system including machinery and conveyors, cold storage warehouse and equipment, electric power system, water and drainage system, central heating plant, railway equipment and tracks, Inner Basin gates and railway and vehicular bridges.

There were a number of items of major maintenance carried out. Spring sweeping by C.G.S. *Detector* of the approach channel at Wolfe's Cove terminals showed obstructions existing in the channel opposite the west end of berth "A," which were later removed by Department of Transport dredge No. 16. Repairs were carried out during the year at various wharves, replacing coping, sheathing and fixed fenders. A public coal berth was provided in the Inner Basin and made available for service early in the season, involving extension of tracks and a change in the railway track layout to facilitate the handling of coal cars. Repairs to the roof of shed No. 29, started in 1936, were completed during 1937 and painting of the steel structure of shed "A", Wolfe's Cove terminals, was also completed. An automatic telephone system was installed in the grain elevator. The metal siding of the Inner Basin marine tower was completely renewed and the travelling machinery in marine towers Nos. 5 and 6 in the Outer Basin was improved, being changed from chain drive to double spur gear drive with two motors for each tower in place of one. Painting of the exposed surface of the steel structure of the shipping galleries was continued during the season and the siding renewed on gantry grain loaders Nos. 2 and 4. Parts of the roofing and flashing were renewed on the fish house and also on the cold storage powerhouse. All maintenance work with the exception of the dredging at Wolfe's Cove was carried out by harbour forces.

CAPITAL WORKS

Pier 1, Princess Louise Docks.—Work was continued under the contract dated September 14, 1936, which replaced the contract under date of July 24, 1935, with A. Janin and Company, Limited, for repairing and strengthening the west wall of pier No. 1, Princess Louise Docks, and the construction of a freight shed, 520 feet long by 90 feet wide. Work was resumed in April, 1937, and during the season the relieving platform was completed and tie rods installed for the full length and the shed which has a steel frame with corrugated siding and turnover doors on the river side, was erected. Work under this contract is completed, excepting a portion of the paving which will be done early next season. The lighting system in the new shed and oil pipe lines along the face of the dock, which were not included in the contract, were installed by the harbour forces.

REVENUES AND EXPENDITURES

Operating revenues in 1937 amounted to \$447,780, as compared with \$482,542 in 1936, a reduction of \$34,762. Grain elevator earnings showed a reduction of \$73,439, while other revenue sources showed a gain of \$38,677, as compared with the previous year.

Operating and maintenance expenses were \$572,334, as compared with \$673,838 in 1936, a reduction of \$101,504. After taking into account miscellaneous income credits and debits, including a credit of \$51,228 received from the Department of Labour towards the expense of carrying on certain repair work as an unemployment relief measure, and after payment of interest on debt to the public, there was a cash deficit of \$108,706 in 1937, as compared with a deficit of \$212,802 in 1936, and \$357,535 in 1935. The net income deficit in 1937, after charging reserve for replacements and interest due the Dominion Government, was \$1,485,361, as against \$1,589,457 in the previous year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 57,905 45
Miscellaneous.....	11,663 64

\$ 69,569 09

Wharves and Piers

Top Wharfage.....	87,821 54
Dockage.....	20,564 84
Miscellaneous.....	25,379 08

133,765 46

Permanent Sheds

Shed Rentals.....	12,675 08
Storage.....	17,498 59

30,173 67

Shed Hoists..... 6 00

Railway System..... 62,736 95

Grain Elevator System

Elevation.....	12,280 18
Storage.....	38,259 97
Miscellaneous.....	21,926 62

72,466 77

Cold Storage System

Storage.....	48,412 57
Miscellaneous.....	10,715 53

59,128 10

Miscellaneous—Outsiders..... 19,934 38

\$ 447,780 42

OPERATING EXPENSES

Administration..... 69,333 46

Operation and Maintenance

Harbour Dredging.....	6,024 65
Harbour General.....	61,548 56
Vehicular Bridges.....	4,118 78
Roads, Fences and Boundaries.....	6,388 26
Sewers and Drains.....	1,554 82
Wharves and Piers.....	78,378 91
Permanent Sheds.....	36,141 63
Shed Hoists.....	102 31
Railway System.....	76,526 81
Grain Elevator System.....	124,597 34
Cold Storage System.....	74,550 77
Miscellaneous—Outsiders.....	18,233 53
Departmental Services not Distributed.....	14,834 89

503,001 26

572,334 72

Operating Deficit..... 124,554 30

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 97 44

MISCELLANEOUS INCOME CREDITS..... 51,570 40

51,667 84

72,886 48

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	97 44
Reserve for Bad Debts.....	88 10
Miscellaneous Income Charges.....	3,634 60

3,820 14

Income available for Interest due Public..... 76,706 60

INTEREST ON DEBT TO THE PUBLIC..... 32,000 00

108,706 60

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00
Interest due Dominion Government.....	1,176,655 38

1,376,655 38

Net Income Deficit..... \$1,485,361 98

BALANCE SHEET AS AT DECEMBER 31, 1937

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[illegible]

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated on the St. Lawrence River near the mouth of the St. Maurice River about 81 miles below Montreal. It is open to navigation for about 7½ months in the year. The facilities operated by the Board include 3 main wharves having some 7,400 linear feet of berthing with a water depth of 30 feet alongside and 8 transit sheds with a total floor area of about 175,000 square feet.

TRAFFIC

In 1937, 2,850 vessels with aggregate net registered tonnage of 2,365,051 entered the harbour, as compared with 2,090 vessels in 1936, with total tonnage of 1,871,774.

Cargo tonnage in 1937 was 2,696,036 tons, as compared with 1,594,624 in 1936, the increase being 1,101,412 tons, or 69%. Inward cargo showed a total of 1,956,401 tons, as against 1,210,773 in 1936, and outward cargo, 739,635 tons in 1937 as compared with 383,851 in the previous year. Wheat movements were lower than in 1936, but corn showed a substantial increase. Coal and pulpwood showed large increases, but newsprint paper shipments were lower than in 1936.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Three Rivers during the calendar year 1937, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	2,850	2,365,051
Departures.....	2,847	2,362,412
Total 1937.....	5,697	4,727,463
“ 1936.....	4,180	3,743,548
“ 1935.....	5,458	3,309,890
“ 1934.....	4,240	3,503,502
“ 1933.....	3,734	3,075,514

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Three Rivers during the calendar year 1937.

Classification	Number of Vessels	Net Reg. Tonnage
<i>Arrivals</i>		
1. Deepsea or ocean-going commercial.....	104	257,371
2. Coastal or inland.....	2,746	2,107,680
3. Fishery.....		
4. All others.....		
5. Total.....	2,850	2,365,051
<i>Departures</i>		
1. Deepsea or ocean-going commercial.....	102	282,231
2. Coastal or inland.....	2,745	2,080,181
3. Fishery.....		
4. All others.....		
5. Total.....	2,847	2,362,412
Total Arrivals and Departures.....	5,697	4,727,463

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Three Rivers during the calendar year 1937, with comparisons for previous years.

Basis. Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	602,291	576,595	1,178,886
Domestic.....	1,354,110	163,040	1,517,150
Total 1937.....	1,956,401	739,635	2,696,036
“ 1936.....	1,210,773	383,851	1,594,624
“ 1935.....	954,729	176,509	1,131,238
“ 1934.....	879,261	164,477	1,043,738
“ 1933.....	542,559	130,937	673,496

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Three Rivers during the calendar year 1937, with comparison for 1936, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	107,006	111,183	218,189	281,292
2. Corn.....	364,300	370,876	735,176	115,581
3. Oats.....	2,054	1,395	3,449	4,270
4. Barley.....	356	.....	356	798
5. Rye.....	7,183	7,183	14,366	.....
6. Flaxseed.....	63,307	62,396	125,703	15,636
7. Other Grain.....	.....	.....	.....	.....
8. Flour.....	302	.....	302	1,653
9. Other Mill Products.....	.....	.....	.....	.....
10. Hay and Straw.....	.....	1,281	1,281	1,742
11. Cotton.....	.....	.....	.....	.....
12. Apples (fresh).....	85	.....	85	579
13. Other Fruit (fresh).....	.....	.....	.....	.....
14. Potatoes.....	.....	.....	.....	43
15. Other Fresh Vegetables.....	.....	.....	.....	.....
16. Other Agricultural Products.....	.....	.....	.....	.....
Total 1937.....	544,593	554,314	1,098,907	.....
“ 1936.....	232,088	189,506	.....	421,594

CARGO TONNAGE BY COMMODITIES—Continued

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Animal Products</i>				
17. Horses.....				
18. Cattle and Calves.....				
19. Sheep.....				
20. Hogs.....				
21. Dressed Meats (fresh).....				
22. Dressed Meats (cured-salted-canned).....				
23. Other Packing House Products (edible).....				
24. Poultry.....				
25. Eggs.....				
26. Butter.....				
27. Cheese.....				
28. Wool.....				
29. Hides and Leather.....				
30. Other Animal Products (Non-edible).....				
Total 1937.....				
“ 1936.....				
<i>Mine Products</i>				
31. Anthracite Coal.....	14,889		14,889	19,173
32. Bituminous Coal.....	470,023	100	470,123	394,358
33. Lignite Coal.....				
34. Coke.....	19,402		19,402	13,131
35. Iron Ores.....	599		599	
36. Copper Ore and Concentrates.....				
37. Other Ores and Concentrates.....				
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....				
39. Sand and Gravel.....	2,008		2,008	1,688
40. Stone (crushed, ground, broken).....				6,041
41. Slate, Dimension or Block Stone.....				
42. Crude Petroleum.....				
43. Asphalt (Natural, By-product Petroleum).....				
44. Salt.....	5,974		5,974	
45. Other Mine Products.....	63,564		63,564	63,846
Total 1937.....	576,459	100	576,559	
“ 1936.....	495,392	2,845		498,237
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....				136
47. Cordwood and Other Firewood.....	429		429	509
48. Ties.....				
49. Pulpwood.....	795,285		795,285	446,015
50. Lumber, Timber, Box, Crate and Cooperage Material.....	697	1,375	2,072	6,717
51. Other Forest Products.....				4
Total 1937.....	796,411	1,375	797,786	
“ 1936.....	449,431	3,950		453,381
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	9,717	423	10,140	10,102
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	1,724	333	2,057	
54. Sugar.....				645
55. Iron, Pig and Bloom.....	83		83	
56. Rails and Fastenings.....				
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	97		97	193
58. Castings, Machinery and Boilers.....	60	744	804	40
59. Cement.....	394		394	3,910
60. Brick and Artificial Stone.....	260		260	173
61. Lime and Plaster.....				

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Manufactures and Miscellaneous</i>				
62. Agricultural Implements and Vehicles Other than Autos.....		18	18	.....
63. Sewer Pipe and Drain Tile.....		22	22	794
64. Automobiles, Auto Trucks and Auto Parts.....				1
65. Household Goods and Settlers' Effects.....				.....
66. Furniture.....				.....
67. Liquor Beverages.....		25	25	525
68. Fertilizers, all kinds.....		166,756	166,756	175,746
69. Newsprint Paper.....				55
70. Other Paper.....		34	34	3
71. Paper Board, Pulpboard and Wallboard (paper).....				419
72. Wood Pulp.....				.....
73. Fish (fresh, frozen, cured, etc.).....				.....
74. Canned Goods (all Canned Food Products except meats).....	26,603	15,491	42,094	28,806
75. Other Manufactures and Miscellaneous.....				.....
Total 1937.....	38,938	183,846	222,784	.....
" 1936.....	33,862	187,550	.....	221,412
Grand Total 1937.....	1,956,401	739,635	2,696,036	.....
" 1936.....	1,210,773	383,851	.....	1,594,624
COMMODITY GROUP—				
Agricultural.....	544,593	554,314	1,098,907	421,594
Animal.....				.....
Mine.....	576,459	100	576,559	498,237
Forest.....	796,411	1,375	797,786	453,381
Manufactures and Miscellaneous.....	38,938	183,846	222,784	221,412
Total 1937.....	1,956,401	739,635	2,696,036	.....
" 1936.....	1,210,773	383,851	.....	1,594,624

3. GRAIN ELEVATOR

Statement showing the total quantity of grain handled at terminal elevator at the harbour of Three Rivers during the calendar year 1937, with comparisons for the previous year.

Classification	Receipts 1937	Shipments 1937	Total 1937	Total 1936
	(Bush.)	(Bush.)	(Bush.)	(Bush.)
Via water.....	19,230,776	19,517,096	38,747,872	14,300,748
Via rail.....	26,883	761,535	788,418	85,246
Via other.....		51,330	51,330	3,821
Total 1937.....	19,257,659	20,329,961	39,587,620	.....
" 1936.....	7,879,426	6,510,389	.....	14,389,815

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs, as required for the proper operation of the facilities in the harbour, were carried out during the year on the wharves, roads, sheds and railway trackage. Items of major maintenance consisted of levelling about 10,000 cubic yards of sand in the area between Notre Dame street and the office, the painting of shed "I" in the vicinity of the ferry wharf, and installation of additional bollards on the dock face along the St. Lawrence River in the vicinity of the elevator.

CAPITAL WORKS

Shore Wharf and Shed.—Early in the season of 1937 work was completed under the contract dated August 10, 1934, between J. P. Porter & Sons, Limited and the Minister of Marine for the reconstruction of old wooden wharves, and the construction of new transit shed, roads, railway tracks and lighting system. The amount of work done in 1937 represented about 5% of the work covered by the contract.

Shed No. 4.—To provide additional shed accommodation, a contract was entered into with the Newton Construction Company, Limited for the construction of a shed 480 feet long by 80 feet wide behind and adjacent to shed No. 3 which was constructed under the contract referred to in the preceding paragraph. The specifications for this shed provide for a steel frame on a concrete foundation, concrete floor, brick wall and the installation of two travelling cranes and paper handling conveyors. Work was started in October and at the end of the year about 40% had been done. This included the concrete foundations, about 70% of the concrete floor slabs, and the erection of 50% of the structural steel.

Water Supply.—To provide a water supply for fire protection, and also for servicing boats, a contract was entered into with the Page Equipment and Construction Company, Limited for the laying of about 4,000 feet of six inch water main and installing ten hydrants along the face of the wharf and connecting same to the water system of the city of Trois Rivières. This work was completed during 1937.

Roads, Etc.—In connection with the construction of the new shed No. 4, a contract was entered into with the Page Equipment and Construction Company, Limited, for excavation of the ground behind the new shed, installation of drainage pipes, changing the railway siding, and building and paving a new road behind the shed. Work on this contract started in November and the excavation of the hill, installation of the drainage pipes and the base for the road have been completed. Also, in connection with this work the alignment of the C.P.R. loop line was changed by that company and a retaining wall built between the railway and the road on the Board's property.

REVENUES AND EXPENDITURES

Operating revenues in 1937 reached the record figure of \$172,309, exceeding those of the preceding year by \$49,962, or 41%. Operating and maintenance expenses required \$18,023. This figure was \$14,168 below the expenditure in 1936. After payment of interest on debentures held by the public, there remained the substantial sum of \$144,852, available for reserve for replacement of fixed assets and interest due the Dominion Government. The net income

deficit, after charging reserve for replacements and interest due the Government, was \$92,008, as compared with a deficit of \$134,007 in 1936.

REDEMPTION OF DEBENTURES

On February 1, 1937, there fell due \$303,000, 3% debentures, issued to the public in 1934 to finance the construction of harbour works. These debentures were redeemed from moneys advanced by the Dominion Government, the new borrowing bearing interest at 3½% per annum.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUE

Harbour General			
Harbour Dues.....	\$	16,856 85	
Cargo Rates.....		91,781 48	
Miscellaneous.....		1,176 80	
		<u>\$</u>	109,815 13
Wharves and Piers			
Dockage.....		7,788 92	
Miscellaneous.....		25,659 83	
		<u></u>	33,448 75
Permanent Sheds			
Shed Rentals.....		27,927 80	
Miscellaneous—Outsiders.....		1,118 20	
		<u>\$</u>	172,309 88

OPERATING EXPENSES

Administration.....		9,968 21	
Operation and Maintenance			
Harbour General.....		1,899 30	
Roads, Fences and Boundaries.....		223 32	
Wharves and Piers.....		2,055 45	
Permanent Sheds.....		2,425 30	
Railway System.....		543 37	
Miscellaneous—Outsiders.....		908 09	
		<u></u>	8,054 83
			<u>18,023 04</u>

Operating Income.....	154,286 84
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INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	35 00
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Income Available for Interest Due Public.....	154,321 84
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INTEREST ON DEBT TO THE PUBLIC.....	9,469 50
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	<u>144,852 34</u>
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OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	70,000 00
Interest due Dominion Government.....	166,860 72
	<u>236,860 72</u>

Net Income <i>Deficit</i>	<u>\$ 92,008 38</u>
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Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1937

ASSETS

FIXED	
Real Estate.....	\$ 1,204,777 00
Roads, Fences and Boundaries.....	40,586 98
Wharves and Piers.....	5,761,131 39
Permanent Sheds.....	553,477 44
Railway System.....	26,611 43
Office Furniture and Appliances.....	2,330 70
Electric Power System.....	11,512 44
Miscellaneous Small Plant.....	4,307 03
Work under Construction.....	118,726 45
	<u>\$ 7,723,460 86</u>
CURRENT	
Cash—Receiver General of Canada.....	68,200 39
Cash in Bank—Coupon Account.....	57 75
Accounts Receivable.....	4,773 24
Advances due on Capital Account.....	314 21

SECURITY DEPOSITS	73,345 59
REPLACEMENT FUND	27,000 00
	140,115 16
FIRE AND GENERAL INSURANCE FUND	6,009 90
PREPAID CHARGES	3 00
DEFERRED DEBITS	19 24

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC	\$ 153,400 00
DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest bearing).....	\$ 3,545,148 92
Expenditure under Appropriations.....	590,857 27
Government Loans applied for—Contra.....	314 21

ACCOUNTS PAYABLE—CONSTRUCTION	4,136,320 40
CONTRACTORS' HOLDBACKS—CONSTRUCTION	88,210 39
	11,505 49

CURRENT	
Accounts Payable.....	399 69
Matured Interest Unpaid—Due Public.....	\$ 57 75
Due Dominion Gov't.....	794,442 92

ACCURED INTEREST DUE PUBLIC	794,500 67
	4,332 38
CONTRACTORS' SECURITY DEPOSITS—CONTRA	
	799,232 94
	27,000 00

RESERVES	
Replacement.....	140,116 67
Fire and General Insurance.....	6,009 90
DEFERRED CREDITS	
	146,126 57
	15,349 96

SURPLUS AND DEFICIT ACCOUNT	
Surplus as at December 31, 1936.....	2,678,088 71
Adjustments in 1937.....	1,727 67
	2,679,816 38

Deduct	
Net Income Deficit for 1937.....	92,008 38

	2,587,808 00
\$	\$ 7,969,953 75

HARBOUR OF MONTREAL

The harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast, and is reached by ocean shipping through a dredged channel having a minimum depth of 30 feet, now being completed to 35 feet. It is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates 28 main piers, wharves and jetties having over 10 miles of berthing, 27 transit sheds with an aggregate floor area of over 2,000,000 square feet; also, four grain elevators with a total storage capacity of over 15,000,000 bushels and 3½ miles of conveyor galleries, and a cold storage warehouse with a capacity of 4,628,000 cubic feet. A 75 ton capacity floating crane and several locomotive track cranes are available.

TRAFFIC

Total cargo tonnage handled through the harbour during 1937 increased by 830,922 tons, or 5%, over the total for 1936, and again established a new high record. This increase in cargo tonnage took place notwithstanding that the number and net registered tonnage of vessels arriving from overseas were slightly less in 1937 than in 1936, and that the number and tonnage of inland vessels showed a substantial decrease, the latter reflecting reduced wheat receipts and other factors affecting lake shipping.

Inward tonnage showed an increase over the previous year for the ninth successive time. Inward movements of crude petroleum and gasoline amounted to more than 600,000,000 gallons, which also set a new high figure for the port. Receipts of coal amounted to approximately 3,300,000 tons, which was a decrease of some 270,000 tons from the 1936 total. Large decreases occurred in receipts of British and German anthracite and Nova Scotia and British bituminous. These decreases were offset partially by the inward movement of 150,000 tons of Russian anthracite.

The shipping companies reported a satisfactory year's activity, with general cargo movement heavy, and ocean freight rates at higher levels than have prevailed for many years.

Grain movement through the Montreal elevators was notable for the resumption of exports of United States grain, and the increase to 23,000,000 bushels of imports of Argentine and South African corn.

The harbour railway system experienced an active year, the total number of cars handled having increased by approximately 20,000 over the figure for 1936.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Montreal during the calendar year 1937, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	4,985	8,204,293
Departures.....	4,980	8,185,465
Total 1937.....	9,965	16,389,758
“ 1936.....	12,906	19,089,394
“ 1935.....	11,476	17,032,177
“ 1934.....	11,065	16,589,331
“ 1933.....	11,762	16,811,730

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Montreal during the calendar year 1937.

Classification	Number of Vessels	Net Reg. Tonnage
<i>Arrivals</i>		
1. Deepsea or ocean-going commercial.....	1,063	4,317,285
2. Coastal or inland.....	3,875	3,859,796
3. Fishery.....		
4. All others.....	47	27,212
5. Total.....	4,985	8,204,293
<i>Departures</i>		
1. Deepsea or ocean-going commercial.....	1,080	4,346,841
2. Coastal or inland.....	3,853	3,811,412
3. Fishery.....		
4. All others.....	47	27,212
5. Total.....	4,980	8,185,465
<i>Total Arrivals and Departures</i>	9,965	16,389,758

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Montreal during the calendar year 1937, with comparisons for previous years.

Basis. Tons—W. (2,000 lbs.) or M.

Classification	Inward	Cutward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	6,189,337	3,958,996	10,148,333
Domestic.....	3,884,186	2,337,115	6,221,301
Total 1937.....	10,073,523	6,296,111	16,369,634
“ 1936.....	9,697,737	5,840,975	*15,538,712
“ 1935.....	8,951,344	4,896,156	13,847,500

(Comparative figures for previous years not available.)

*Revised figures.

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Montreal during the calendar year 1937, with comparison for 1936, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	1,364,577	1,374,622	2,739,199	3,185,452
2. Corn.....	667,270	515,445	1,182,715	465,777
3. Oats.....	73,602	57,407	131,009	178,275
4. Barley.....	266,421	247,953	514,374	177,549
5. Rye.....	106,574	97,078	203,652	60,580
6. Flaxseed.....	69,091	26,178	95,269	122,861
7. Other Grain.....	31,093	34,461	65,554	115,871
8. Flour.....	53,894	199,879	253,773	256,642
9. Other Mill Products.....	8,282	89,360	97,642	75,627
10. Hay and Straw.....	272	24,735	25,007	54,923
11. Cotton.....	2,017	246	2,263	3,863
12. Apples (fresh).....	487	49,434	49,921	45,975
13. Other Fruit (fresh).....	54,038	11,384	65,422	47,959
14. Potatoes.....	3,958	4	3,962	.....
15. Other Fresh Vegetables.....	2,018	837	2,855	4,013
16. Other Agricultural Products.....	162,686	32,072	194,758	158,179
Total 1937.....	2,866,280	2,761,095	5,627,375	.....
“ 1936.....	2,387,199	2,566,347	.....	4,953,546
<i>Animal Products</i>				
17. Horses.....	113	245	358	268
18. Cattle and Calves.....	.....	4,434	4,434	15,855
19. Sheep.....	.....	.....	.....	.....
20. Hogs.....	.....	.....	.....	.....
21. Dressed Meats (fresh).....	138	5,565	5,703	5,332
22. Dressed Meats (cured-salted-canned).....	5,177	68,968	74,145	69,083
23. Other Packing House Products (edible).....	2,704	31,360	34,064	31,216
24. Poultry.....	6	331	337	602
25. Eggs.....	.....	2,782	2,782	2,157
26. Butter.....	7	1,988	1,995	2,086
27. Cheese.....	814	42,673	43,487	36,493
28. Wool.....	8,804	765	9,569	11,928
29. Hides and Leather.....	4,610	2,729	7,339	3,985
30. Other Animal Products (non-edible).....	11,800	3,621	15,421	15,074
Total 1937.....	34,173	165,461	199,634	.....
“ 1936.....	31,592	162,487	.....	194,079
<i>Mine Products</i>				
31. Anthracite Coal.....	1,265,952	183,913	1,449,865	1,797,981
32. Bituminous Coal.....	1,995,545	262,747	2,258,292	2,072,481
33. Lignite Coal.....	.....	.....	.....	.....
34. Coke.....	.....	84	84	19,736
35. Iron Ores.....	55,919	55,907	111,826	83,653
36. Copper Ore and Concentrates.....	.....	.....	.....	.....
37. Other Ores and Concentrates.....	23,856	19,406	43,262	32,706
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	8,663	185,606	194,269	170,906
39. Sand and Gravel.....	27,343	744	28,087	33,252
40. Stone (crushed, ground, broken).....	556	.....	556	18,272
41. Slate, Dimension or Block Stone.....	5,191	12	5,203	3,996
42. Crude Petroleum.....	2,250,779	173,650	2,424,429	2,312,186
43. Asphalt (Natural, By-Product Petroleum).....	210	89	299	320
44. Salt.....	19,724	6,155	25,879	31,377
45. Other Mine Products.....	117,046	40,501	157,547	118,597
Total 1937.....	5,770,784	928,814	6,699,598	.....
“ 1936.....	5,867,095	828,368	.....	6,695,463

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	168	146	314	79
47. Cordwood and other Firewood.....	55		55	416
48. Ties.....				
49. Pulpwood.....				
50. Lumber, Timber, Box, Crate and Cooperage Material.....	6,310	73,745	80,055	79,387
51. Other Forest Products.....	29,233	19,244	48,477	38,488
Total 1937.....	35,766	93,135	128,901	
" 1936.....	41,179	77,191		118,370
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	132,973	613,765	746,738	716,437
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	83,327	496,766	580,093	550,423
54. Sugar.....	225,210	42,561	267,771	350,784
55. Iron, Pig and Bloom.....	63,846	57,925	121,771	17,470
56. Rails and Fastenings.....	708	110	818	212
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	77,467	57,234	134,701	147,944
58. Castings, Machinery and Boilers.....	13,702	10,687	24,389	19,426
59. Cement.....	4,236	94,920	99,156	76,109
60. Brick and Artificial Stone.....	12,869	843	13,712	15,901
61. Lime and Plaster.....	359	1,613	1,972	1,849
62. Agricultural Implements and Vehicles other than Autos.....	8,532	20,041	28,573	20,662
63. Sewer Pipe and Drain Tile.....	1,576	179	1,755	1,867
64. Automobiles, Auto Trucks and Auto Parts.....	5,794	141,205	146,999	124,471
65. Household Goods and Settlers' Effects.....	36,395	21,380	57,775	46,276
66. Furniture.....	3,717	2,663	6,380	5,693
67. Liquor Beverages.....	14,406	1,576	15,982	15,699
68. Fertilizers, all kinds.....	34,953	22,119	57,072	27,745
69. Newsprint Paper.....	524	52,931	53,455	78,261
70. Other Paper.....	4,884	10,365	15,249	12,146
71. Paper Board, Pulpboard and Wallboard (paper)...	852	38,859	39,711	33,766
72. Wood Pulp.....	239,935	265,495	505,430	586,721
73. Fish (fresh, frozen, cured, etc.).....	1,912	1,870	3,782	3,155
74. Canned Goods (all Canned Food Products, except meats).....	24,466	67,134	91,600	76,301
75. Other Manufactures and Miscellaneous.....	373,877	325,365	699,242	647,936
Total 1937.....	1,366,520	2,347,606	3,714,126	
" 1936.....	1,370,672	2,206,582		3,577,254
Grand Total 1937.....	10,073,523	6,296,111	16,369,634	
" 1936.....	9,697,737	5,840,975		15,538,712
<i>COMMODITY GROUP—</i>				
Agricultural.....	2,866,280	2,761,095	5,627,375	4,953,546
Animal.....	34,173	165,461	199,634	194,079
Mine.....	5,770,784	928,814	6,699,598	6,695,463
Forest.....	35,766	93,135	128,901	118,370
Manufactures and Miscellaneous.....	1,366,520	2,347,606	3,714,126	3,577,254
Total 1937.....	10,073,523	6,296,111	16,369,634	
" 1936.....	9,697,737	5,840,975		15,538,712

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Montreal during the calendar year 1937, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	42,672	37,774	80,446
Coastwise.....	41,219	43,356	84,575
Total 1937.....	83,891	81,130	165,021
“ 1936.....	100,175	98,664	198,839
“ 1935.....	83,841	82,573	166,414
“ 1934.....	80,322	79,147	159,469
“ 1933.....	54,339	64,176	118,515

4. GRAIN ELEVATORS

Statement showing the total quantity of grain handled at terminal elevators at the harbour of Montreal during the calendar year 1937 with comparisons for previous years.

Classification	Receipts 1937	Shipments 1937	Total 1937	Total 1936
	(Bush.)	(Bush.)	(Bush.)	Bush.)
Via water.....	91,951,859	82,761,247	174,713,106	149,430,620
Via rail.....	2,215,778	7,516,023	9,731,801	14,726,802
Via others.....	23,220	2,389,310	2,412,530	2,363,821
Total 1937.....	94,190,857	92,666,580	186,857,437	.....
“ 1936.....	79,404,903	87,116,340	166,521,243	.....
“ 1935.....	65,080,829	63,283,084	128,363,913	.....
“ 1934.....	58,749,934	56,374,541	115,124,475	.....
“ 1933.....	65,029,160	65,435,618	130,464,778	.....

5. TERMINAL RAILWAY

Statement showing the total number of railway cars handled by the National Harbours Board terminal railway at the harbour of Montreal during the calendar year 1937, with comparisons for 1936.

Classification	1937	1936
Received from connecting lines		
1. Revenue cars.....	58,000	52,956
2. Non-revenue cars.....	39,742	35,094
3. Total.....	97,742	88,050
Delivered to connecting lines		
1. Revenue cars.....	52,570	46,704
2. Non-revenue cars.....	45,310	41,188
3. Total.....	97,880	87,892
Switched locally		
1. Revenue cars.....	1,299	1,251
2. Non-revenue cars.....	4,205	3,909
3. Total.....	5,504	5,160
Total		
1. Revenue cars.....	111,869	100,911
2. Non-revenue cars.....	89,257	80,191
3. Total.....	201,126	181,102

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Repairs to wharves, wharf fittings, etc., were carried on including resurfacing of the cope wall at Bickerdike pier, repairs to the face of Jacques Cartier pier and grading, draining, and levelling of coal handling space on Bickerdike pier and coal wharf at section 58. Necessary repairs were made to floors, roofs, doors and other parts of the transit sheds, their offices and hoists and other equipment; three sheds being completely painted on the outside and three others on the inside. Shed 27A (formerly 6A) was erected at section 27. Repairs and necessary renewals were made to the buildings and equipment of the storage warehouse and power house where new tubes were installed in the second condenser. All harbour buildings and central heating plants were maintained in good condition and the head office building painted on the exterior.

Necessary running repairs were made to steam and electric locomotives, coal cars and other rolling stock of the terminal railway; two electric locomotives, one steam locomotive and one coal car being given a complete major overhaul. Necessary repairs were made to the building and equipment of the locomotive round-house. Track maintenance, including replacement of rails, turn-outs, switches, etc., was carried on from sections 12 to 101 and in this connection a lead to the Victoria pier sheds, the rearrangement of tracks serving shed 27A, installation of three turn-outs and rearrangement of other wharf tracks was made, together with general maintenance of the overhead wire system, poles, etc., of the electric railway. During the year three bridges of the railway system were completely painted.

On the grain elevator and conveyor system a large amount of work was done on running repairs and replacements to the mechanical and electrical equipment and on the upkeep of buildings. Major maintenance items in this connection consisted of painting elevator conveyor steelwork, renewal of power feeders, rearrangement of lighting, remodelling car haul drives, adjusting tower traction wheels and rails and supplying and installing grain conditioning equipment.

The usual maintenance repairs and overhaul were carried out on the electric power system, water supply system, locomotive cranes and other shore equipment, as well as on the dredges, derricks, tugs and other floating equipment; major maintenance work in this connection consisted of replacing batteries in two substations, general overhaul of three tugs, one dredge and the floating crane, as well as repairs to a pile driver, floating derrick and one scow, and major repairs to two locomotive cranes.

Maintenance dredging in 1937 consisted of clean-up work in various parts of the harbour, the major dredging operation being the clearing of Windmill Point basin of many obstructions. General harbour maintenance consisted of the yearly inspection and overhaul of harbour lighting system, hydrants, fire protection and life saving equipment, revetment walls, flood gates, raceways, spillways and the usual upkeep of harbour roadways, consisting of cleaning and watering during the navigation season and snow and ice removal during the winter months. Important work was done in regard to harbour boundaries and the resurveying of these continued during 1937. Minor extensions and additions were made to harbour drainage and sewage systems.

CAPITAL WORKS

Alexandra Pier—Upstream Side.—Under the contract entered into with Angus Robertson Limited, in 1936, for the reconditioning of the upstream side of Alexandra pier, further work was carried on from the beginning of January until the end of April, 1937, when the structure was made available for use by ship-

ping. In the above period, cylinder sinking, installation of tie rods, construction of concrete anchor blocks, bulkhead and cope wall, replacement of bituminous concrete floor in pier sheds, together with the required final backfilling and grading on the north end of the pier area were carried on and the work completed early in May. The deepening of berths on the upstream side Alexandra pier was carried on during the navigation season by the Board's dredging equipment and at the end of the year an intermediate draft of 33 feet was available of the projected 35 foot draft which will be obtained in 1938.

Alexandra Pier—Downstream Side.—Similar reconditioning of 1,220 feet of the downstream side of Alexandra pier was placed under contract with the Foundation Company of Canada, Limited, in November and actual construction work started at the beginning of December, and is to be completed by April 15, 1938. At the end of December the removal of portions of the old timber wharf in the way of new work was near completion, several cylinders were placed and in process of being sunk to final position and the construction of addition to cope wall at outer end was completed.

Extension Shed No. 5—Alexandra Pier.—In July, 1937, a contract was awarded the L. G. Ogilvie Company, Limited, for the construction of an addition to shed No. 5, Alexandra pier, 158 feet long of the same type—double decked, steel frame, metal sheathed construction as the original shed. Construction progress was delayed by poor deliveries of steel and at December 31, the foundation excavation and concrete work were completed, the structural steel framework erected and riveted and formwork in place for the concrete floors. As the remaining work could not be carried to completion in cold weather, further construction was suspended until favourable weather in the spring of 1938. The application of the roof and doors and construction of concrete floors will be completed so that this much needed addition to the shed accommodation at Alexandra pier will be available for use by shipping early in May, 1938.

Reconstruction and Extension Imperial Oil Wharf.—Work on this contract, which was entered into with the Northern Construction Company and J. W. Stewart Limited, in November, 1936, and carried on until the end of December of that year, when high water and winter conditions necessitated its suspension, was resumed in the Spring of 1937 and continued throughout the low water period of the balance of the year. At the end of December, 1937, all the reinforced concrete cylinders were in place and sunk to their final location, tie rods and anchor wall were in place and 50 per cent of the required stone filling made, and approximately 50 per cent of the concrete cope wall on the cylinders was constructed. Work will be resumed in the spring of 1938, as soon as weather and water level conditions permit and it is anticipated that all work on the Imperial Oil wharf will be completed by the early summer of 1938.

Sutherland Pier Reconstruction and Extension.—All work embraced under contract with the E. G. M. Cape Company, Limited, for the reconstruction and extension of Sutherland pier was completed in 1936 with the exception of the placing of a quantity of backfilling in rear of the new structure. This work was resumed in the summer of 1937, using material supplied to the contractor at the site from other dredging operations being carried on in the harbour, and all work under this contract was completed at December 31. In 1938 some stone surfacing of the filled areas of Sutherland pier will be done after final settlement of the fill has taken place.

Wharf Extension Section 48-49.—A contract was awarded to Angus Robertson Limited in June, 1937, providing for the construction of a 1,030-foot extension in the downstream direction of the shore wharf portion of the reconstructed Sutherland pier, the new wharf to consist of reinforced concrete cribs founded at 36 feet below low water datum and filled with material from harbour dredging,

with concrete cope wall carried up to an elevation of about 13 feet above low water level, the whole backfilled in rear for a width of approximately 70 feet. All of this work was completed by the middle of October.

Strengthening Wharf at Sections 38, 39, 40.—The scouring of the river bed on which wharf at sections 38, 39 and 40 had been built having caused movement of the structure, it was necessary to take precautionary measures to assure the permanent stability of the existing wharf. For this purpose a contract was entered into with the Foundation Company of Canada Limited in June, 1937, covering the construction of 25 anchorages consisting of steel rods tied to reinforced concrete anchor blocks of adequate size at the rear of the wharf structure. Necessary trenches for the accommodation of tie rods and anchor wall were excavated, concrete anchor blocks constructed and tie rods installed. All work was satisfactorily completed, without any material interference to the Board's lessees of this site, at September 30.

Work Done by Montreal Harbour Floating Equipment.—The Board's drilling and dredging equipment, in addition to being utilized in 1937 in dredging berths on the upstream side of Alexandra pier, carried on extensive dredging in Windmill Point basin, where approximately 30,000 cubic yards of rock were drilled, blasted and removed. Approximately three-quarters of the required dredging in Windmill Point basin was completed, and the balance will be done during the 1938 navigation season. The dredging equipment was further employed protecting the wharf at Sections 36, 37 and 38 against scour by placing a berm of rock along the toe of the wharf for its full length, the material used being obtained from dredging operations elsewhere in the harbour.

The connecting channel serving Imperial Oil, McColl-Frontenac and Canada Cement wharves at Montreal East was widened and deepened to 30 feet by the Board's harbour plant during the 1937 season and in addition to the major operations, described above, carried on by this equipment, it distributed dredged material for the protection of other wharves in the harbour against scour from ice and flood water action, approximately 66,000 yards of dredging being handled by this equipment in 1937.

REVENUES AND EXPENDITURES

Operating revenues in 1937 totalled \$4,377,350, as compared with \$4,238,836 in 1936, showing an increase of \$138,514, or 3%. Operating and maintenance expenses were \$2,136,800, showing a decrease of \$72,379 below those of 1936. The net improvement over the previous year on operating account was, therefore, \$210,893.

The net income deficit for 1937, after charging reserve for replacements and interest due the Dominion Government, was \$1,066,514, as compared with a deficit of \$1,263,654 in 1936.

While the elevator system suffered a serious loss of revenue from storage, an increase in total grain handlings and a substantial decrease in expenses combined to offset this unfavourable factor, the result being that net earnings from operation showed a small increase over the previous year. The result of operations of the railway system was also more favourable, net operating income being \$45,944, as compared with \$19,866 in 1936. Higher revenues and lower expenses marked the operation of the cold storage warehouse, the deficit of \$78,807 shown in 1936 being reduced to \$47,960 in 1937.

The figures given above exclude the operation of Jacques Cartier Bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES		
Harbour General		
Miscellaneous.....	\$ 26,151 44	
Wharves and Piers		
Top Wharfage.....	\$ 1,712,145 27	
Dockage.....	285 00	
Miscellaneous.....	241,515 10	
	<u>1,953,945 37</u>	
Permanent Sheds		
Shed Rentals.....	365,513 90	
Storage.....	4,780 26	
Miscellaneous.....	6,435 66	
	<u>376,729 82</u>	
Shed Hoists.....	23,899 50	
Railway System.....	470,218 24	
Grain Elevator System		
Elevation.....	996,031 50	
Storage.....	212,265 00	
Miscellaneous.....	20,056 42	
	<u>1,228,352 92</u>	
Cold Storage System		
Storage.....	107,521 89	
Miscellaneous.....	12,852 77	
	<u>120,374 66</u>	
Miscellaneous—Outsiders.....	177,679 03	
	<u>\$ 4,377,350 98</u>	
OPERATING EXPENSES		
Administration.....	249,182 76	
Operation and Maintenance		
Harbour Dredging.....	26,686 26	
Harbour General.....	154,888 08	
Roads, Fences and Boundaries.....	39,518 20	
Sewers and Drains.....	4,252 27	
Wharves and Piers.....	100,638 86	
Permanent Sheds.....	85,345 80	
Shed Hoists.....	15,859 66	
Railway System.....	424,273 93	
Grain Elevator System.....	661,057 88	
Cold Storage System.....	168,335 49	
Miscellaneous—Outsiders.....	158,922 85	
Departmental Services—not distributed.....	47,838 05	
	<u>1,887,617 33</u>	
	<u>2,136,800 09</u>	
Operating Income.....		2,240,550 89
INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	5,638 96	
MISCELLANEOUS INCOME CREDITS.....	893 24	
	<u>6,532 20</u>	
Total Income.....		2,247,083 09
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income Received from Reserve		
Funds transferred to Reserves.....	5,616 46	
Reserve for Bad Debts.....	203 79	
Miscellaneous Income Charges.....	8 05	
	<u>5,828 30</u>	
	<u>2,241,254 79</u>	
OTHER INCOME REQUIREMENTS		
Reserve for Replacements.....	744,507 00	
Interest due Dominion Government.....	2,563,262 39	
	<u>3,307,769 39</u>	
Net Income <i>Deficit</i>		<u>\$ 1,066,514 60</u>

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1937

(Excluding Jacques Cartier Bridge)

ASSETS

Fixed	
Harbour Dredging.....	5,383,434 93
Real Estate.....	2,290,181 34
Roads, Fences and Boundaries.....	698,980 64
Sewers and Drains.....	62,578 67
Wharves and Piers.....	22,800,163 90
Permanent Sheds.....	6,599,371 46
Shed Hoists.....	203,988 72
Railway System.....	5,479,492 22
Grain Elevator System.....	15,916,849 02
Cold Storage System.....	3,011,833 41
Harbour Buildings.....	288,228 46
Harbour Shops.....	293,450 50
Electric Power System.....	1,215,070 35
Water Supply System.....	160,367 31
Floating Equipment.....	686,296 46
Shore Equipment.....	189,245 96
Work under Construction.....	1,236,230 93
CURRENT	\$ 66,515,764 28
Cash—Receiver General of Canada.....	602,746 02
Accounts Receivable.....	\$ 248,292 69
Less—Reserve for Bad Debts.....	4,121 37
Advances Due on Capital Account.....	244,171 32
Stores on Hand.....	50,949 73
Accrued Revenue.....	210,775 35
	50,118 29

SECURITY DEPOSITS	1,158,760 71
REPLACEMENT FUND.....	164,749 41
FIRE AND GENERAL INSURANCE FUND.....	1,451,251 26
MISCELLANEOUS FUNDS.....	102,215 98
PREPAID CHARGES.....	82,031 79
DEFERRED DEBITS.....	8,121 97
	2,805 94

\$ 69,485,700 64

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest Bearing).....	\$ 59,961,804 26
Expenditure under Appropriations.....	4,293,668 04
Government Loans Applied for—Contra.....	50,949 73
ACCOUNTS PAYABLE—CONSTRUCTION	\$ 64,306,422 03
CONTRACTORS' HOLDBACKS—CONSTRUCTION	176,705 88
CURRENT	46,920 37
Accounts Payable.....	56,943 31
Matured Interest Unpaid	
Due Dominion Government.....	5,644,201 93
Unclaimed Wages.....	119 00
CONTRACTORS' HOLDBACKS—MAINTENANCE	5,701,264 24
CONTRACTORS' SECURITY DEPOSITS—CONTRA	1,582 75
RESERVES	164,749 41
Replacement.....	1,451,253 77
Fire and General Insurance.....	102,236 05
Miscellaneous.....	81,912 79
DEFERRED CREDITS	1,635,422 61
	98,098 93
SURPLUS AND DEFICIT ACCOUNT	72,126,166 22
Deficit as at December 31, 1936.....	1,789,897 99
Net Income Deficit for 1937.....	1,066,514 60
Deduct	2,856,412 59
Adjustments in 1937.....	215,947 01
	\$ 69,485,700 64

2,640,465 58

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge at the harbour of Montreal during the calendar year 1937, with comparisons for 1936.

Classification	1937	1936
	Revenue Passages	Revenue Passages
Passengers in vehicles.....	4,404,080	3,503,155
Automobiles (passenger).....	1,441,288	1,185,345
Trucks.....	281,268	242,970
Buses.....	17,200	14,000
All others.....	24,386	27,430
Total.....	6,168,222	4,972,900

REVENUES AND EXPENDITURES

Revenues derived from the operation of Jacques Cartier Bridge in 1937 were the highest since 1932, amounting to \$423,785, as compared with \$354,867 in 1936, and showing an increase of \$68,918, or 19%. Operating and maintenance expenses totalled \$84,550, the corresponding figure in 1936 being \$91,861. After provision for interest on bonds held by the public and other income charges, there was an income deficit for the year of \$993,479, to which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and the City of Montreal. The income deficit in 1936 was \$1,045,935.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES		
Bridge Tolls Collected.....	\$ 422,227 12	
Sundry Receipts.....	1,558 63	
		\$ 423,785 75
OPERATING EXPENSES		
Administration.....	22,410 09	
Operation.....	50,743 19	
Maintenance.....	11,397 06	
		84,550 34
Operating Income.....		339,235 41
INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	5,015 84	
MISCELLANEOUS INCOME CREDITS.....	16 12	
		5,031 96
Total Income.....		344,267 37
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income received from Reserve Funds Transferred to Reserves.....	5,015 84	
Trustees' Fees, Commissions, etc.....	11,595 49	
Bond Discount.....	8,846 16	
		25,457 49
Income Available for Interest due Public.....		318,809 88
INTEREST ON DEBT TO THE PUBLIC.....		950,000 00
		631,190 12
OTHER INCOME REQUIREMENTS		
Reserve for Replacements.....	42,600 00	
Reserve for Depreciation.....	166,164 00	
Interest due Dominion Government.....	153,525 45	
		362,289 45
		993,479 57
Deduct		
Proportion of Deficit Payable by:		
Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
		300,000 00
Net Income Deficit.....		\$ 693,479 57

Jacques Cartier Bridge—Montreal

BALANCE SHEET AS AT DECEMBER 31, 1937

ASSETS		LIABILITIES	
FIXED			
Bridge Structure, Right-of-Way, etc.	\$ 18,649,077 80	DEBTURE INDEBTEDNESS TO PUBLIC	
		Forty-year 5% First Mortgage Guaranteed Gold Bonds,	
		Maturing 1st November, 1969.....	\$ 19,000,000 00
CURRENT		DOMINION GOVERNMENT ACCOUNT	
Cash—Receiver General of Canada.....	\$ 36,413 53	Advances to meet Interest on Bonds.....	3,313,575 00
Cash on Hand.....	418 40	CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	543 33
Accounts Receivable.....	3,122 20	CURRENT	
Province of Quebec		Accounts Payable.....	\$ 9,506 58
On Account of Deficit....	150,000 00	Matured Interest Due Dominion Government.....	613,637 44
City of Montreal		Accrued Interest Due Public.....	158,333 34
On Account of Deficit....	150,000 00	RESERVES	
Stores on Hand.....	303,122 20	Replacement—General.....	132,193 91
	336 82	Replacement—Painting.....	60,675 32
REPLACEMENT FUND.....	340,290 95	Depreciation.....	996,994 00
MISCELLANEOUS FUNDS.....	192,869 23	DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	
BOND DISCOUNT SUSPENSE ACCOUNT.....	3,795 55		1,189,853 23
PREPAID CHARGES.....	281,603 46		1,816 80
	700 23	SURPLUS AND DEFICIT ACCOUNT	24,287,365 72
		Deficit as at December 31, 1936.....	4,127,298 45
		Net Income Deficit for 1937.....	693,479 57
		Deduct	
		Adjustments in 1937.....	4,820,778 02
			1,749 52
			4,819,028 50
			\$ 19,468,337 22
			\$ 19,468,337 22

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with 5,500,000 bushel storage capacity with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and an adjoining railway yard having trackage for 1,200 cars.

TRAFFIC

Receipts of grain in 1937 were 5,958,806 bushels, as compared with 5,630,480 bushels in 1936.

PRESCOTT GRAIN ELEVATOR

Statement showing the total quantity of grain handled at Prescott Elevator during the calendar year 1937, with comparisons for previous years.

Classification	Receipts 1937	Shipments 1937	Total 1937	Total 1936
	(Bush.)	(Bush.)	(Bush.)	(Bush.)
Via water.....	5,958,806	5,934,831	11,893,637	15,279,691
Via rail.....		245,377	245,377	325,608
Via other.....		63,058	63,058	158,039
Total 1937.....	5,958,806	6,243,266	12,202,072	.....
" 1936.....	5,630,480	10,132,858	15,763,338	.....
" 1935.....	8,843,331	4,093,882	12,937,213	.....
" 1934.....	6,556,227	7,068,782	13,625,009	.....
" 1933.....	7,307,572	6,644,504	13,952,076	.....

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary running repairs and improvements required for proper operation were made to the following: electrical equipment, marine towers and shovel gear, lofters, conveyors, vessel loading spouts, building structure and bins, yards and docks. As major maintenance the following items of work were carried out; scale inspection and necessary repairs, general painting of the steel hoppers of the elevator bins, installation of signalling system on the rail shipping house lofters, and installation of a band saw in the carpenter shop.

CAPITAL WORKS

No capital works were carried on during the year.

REVENUES AND EXPENDITURES

Operating revenues in 1937 amounted to \$57,257, as compared with \$173,671 in 1936, a decrease of \$116,414. Of the latter amount, \$114,000 is accounted for by a reduction in earnings from storage. Operating and maintenance expenditures totalled \$81,888, being \$10,827 below those of 1936. Without taking into account interest or depreciation, the net loss on the operation of this facility in 1937 was \$23,858.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES

Elevation.....	\$ 36,115 46	
Storage.....	9,390 26	
Miscellaneous.....	11,751 78	
		<hr/> \$ 57,257 50

OPERATING EXPENSES

Administration.....	17,118 69	
Operation and Maintenance.....	64,770 21	
		<hr/> 81,888 90

Operating Deficit.....	24,631 40
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MISCELLANEOUS INCOME CREDITS.....	827 13
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23,804 27

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	54 05
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Net Income Deficit.....	\$ 23,858 32
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Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1937

ASSETS		LIABILITIES	
FIXED	Grain Elevator System.....\$	DOMINION GOVERNMENT ACCOUNT	
		Expenditure under Appropriations.....\$	4,928,774 29
	Miscellaneous Small Plant.....\$		
CURRENT		CURRENT	
	Cash—Receiver General of Canada.....	Working Capital Advances.....\$	15,000 00
	Accounts Receivable.....\$	Accounts Payable.....	1,419 05
	Less: Reserve for Bad Debts.....		16,419 05
	Stores on Hand.....	DEFERRED CREDITS.....	52 61
	Accrued Revenue.....		4,945,245 95
PREPAID CHARGES.....		SURPLUS AND DEFICIT ACCOUNT	
		Surplus as at December 31, 1936.....	20,151 73
		Adjustments in 1937.....	310 50
			20,462 23
		Deduct	
		Net Income Deficit for 1937.....	23,858 32
			\$ 3,596 09
			\$ 4,941,849 86

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

Receipts of grain in 1937 amounted to 18,849,026 bushels, as compared with 18,691,899 bushels in 1936.

Storage grain was at a minimum due to the short crop harvested in Western Canada and intensive competition for the comparatively small amount of business offering. At the close of the navigation season, grain stocks totalled 372,914 bushels for winter storage and shipment by rail. The comparative figure for the previous year, 1936, was 264,759 bushels.

PORT COLBORNE GRAIN ELEVATOR

Statement showing the total quantity of grain handled at Port Colborne Elevator during the calendar year 1937, with comparisons for previous years.

Classification	Receipts 1937	Shipments 1937	Total 1937	Total 1936
	(Bush.)	(Bush.)	(Bush.)	(Bush.)
Via water.....	18,849,026	18,190,345	37,039,371	38,737,093
Via rail.....		490,040	490,040	634,937
Via other.....		15,603	15,603	774,818
Total 1937.....	18,849,026	18,695,988	37,545,014	
“ 1936.....	18,691,899	21,454,949	40,146,848	
“ 1935.....	11,115,989	9,139,645	20,255,634	
“ 1934.....	14,370,122	16,069,844	30,439,966	
“ 1933.....	14,434,691	12,298,652	26,733,343	

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary running repairs and improvements found necessary or advisable for proper operation, were made to the following: vessel shovel gear, car haul, marine legs, lofters, scales, conveyors, rail spouts, bins, bagging equipment, cleaning and separating equipment, building structure, inside electrical equipment, heating equipment, dust collecting equipment, vessel spouts and tracks. Items of major maintenance were carried out as follows: rewiring of the marine tower lighting circuit feeders, balancing inspection and testing of scales and scale weights, rewiring and fitting lights over the scales, drying varnishing and repairing nine lofter motor drives, rewiring flood light and signal circuit feeders,

completion of painting outside walls of elevator annex workhouse, and replacing concrete slabs on portion of east elevator.

CAPITAL WORKS

No capital works were carried on during the year.

REVENUES AND EXPENDITURES

Operating revenues of the elevator in 1937 were \$126,457, as compared with \$190,723 in 1936, the decrease being due mainly to greatly reduced earnings from storage. Operating and maintenance expenditures were \$99,546, which compares with \$114,494 expended for these purposes in the previous year. After taking into account miscellaneous income credits and debits, the net income from this facility in 1937 was \$27,058, as compared with \$76,228 in 1936, no charge for interest or depreciation being made.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES			
Elevation.....	\$	122,633 20	
Storage.....		3,485 37	
Miscellaneous.....		339 00	
		<hr/>	\$ 126,457 57
OPERATING EXPENSES			
Administration.....		14,209 28	
Operation and Maintenance.....		85,336 98	
		<hr/>	99,546 26
Operating Income.....			26,911 31
MISCELLANEOUS INCOME CREDITS.....			506 69
			<hr/>
Total Income.....			27,418 00
MISCELLANEOUS DEDUCTIONS FROM INCOME			
Miscellaneous Income Charges.....			359 83
			<hr/>
Net Income Surplus.....	\$		27,058 17
			<hr/>

Port Colborne Elevator BALANCE SHEET AS AT DECEMBER 31, 1937

ASSETS		LIABILITIES	
FIXED	Real Estate.....\$	DOMINION GOVERNMENT ACCOUNT	
	Wharves and Piers.....	Expenditure under Appropriations.....\$	2,384,791 55
	Railway System.....		
	Grain Elevator System.....		
	Office Furniture and Appliances.....		
	Miscellaneous Small Plant.....		
		CURRENT	
		Accounts Payable.....\$	1,016 28
		Salaries and Wages Payable.....	709 61
			<u>1,725 89</u>
CURRENT			
Cash.—Receiver General of Canada.....	32,292 12		<u>2,386,517 44</u>
Accounts Receivable.....\$	23,932 75		
Less: Reserve for Bad Debts	6,826 43		41,728 74
			73 92
Stores on Hand.....	17,106 32		27,058 17
	21,488 69		
PREPAID CHARGES.....			<u>68,860 83</u>
			<u>\$ 2,455,378 27</u>

HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson's Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, two locomotive cranes of 15 and 20 tons capacity, a floating crane of 20 tons capacity, a gantry crane of 35 tons capacity, cattle pens capable of holding 400 head of cattle and a marine slipway capable of handling boats up to 1,200 tons weight.

TRAFFIC

Movement of grain, which has been almost the entire traffic of the port, has been adversely affected by the short crops of 1936 and 1937. Only two cargoes of wheat were exported in 1937. No grain was received and the terminal elevator is practically empty. As in each of the five previous years, only one ship brought cargo of general freight from Europe.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Churchill during the calendar year 1937, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	14	9,903
Departures.....	14	9,903
Total 1937.....	28	19,806
“ 1936.....	56	92,806
“ 1935.....	44	55,750
“ 1934.....	64	98,762
“ 1933.....	42	67,214

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Churchill during the calendar year 1937.

Classification	Number of Vessels	Net. Reg. Tonnage
<i>Arrivals</i>		
1. Deepsea or ocean-going commercial.....	3	8,046
2. Coastal or inland.....	10	792
3. Fishery.....	1	1,065
4. All others.....		
5. Total.....	14	9,903
<i>Departures</i>		
1. Deep sea or ocean-going commercial.....	3	8,046
2. Coastal or inland.....	10	792
3. Fishery.....	1	1,065
4. All others.....		
5. Total.....	14	9,903
<i>Total Arrivals and Departures.....</i>	28	19,80

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Churchill during the calendar year 1937, with comparisons for previous years.

Basis. Tons—W. (2,000 lbs.) or M.

Classification	Inward (Tons)	Outward (Tons)	Total (Tons)
Foreign.....	1,930	18,120	20,050
Domestic.....	74	930	1,004
Total 1937.....	2,004	19,050	21,054
“ 1936.....	1,640	129,489	131,129
“ 1935.....	2,249	72,769	75,018
“ 1934.....	2,492	135,853	138,345
“ 1933.....	2,620	81,223	83,843

CARGO TONNAGE BY COMMODITY GROUPS

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Churchill during the calendar year 1937, with comparison for 1936, analysed by commodity groups.

Basis. Tons—W. (2,000 lbs.) or M.

Commodity Group	Inward 1937 (Tons)	Outward 1937 (Tons)	Total 1937 (Tons)	Total 1936 (Tons)
<i>Commodity Group</i>				
Agricultural.....		18,243	18,243	128,805
Animal.....	6	7	13	
Mine.....	742	469	1,211	795
Forest.....	36	58	94	
Manufactures and Miscellaneous.....	1,220	273	1,493	1,529
Total 1937.....	2,004	19,050	21,054	
“ 1936.....	1,640	129,489		131,129

3. GRAIN ELEVATOR

Statement showing the total quantity of grain handled at terminal elevator at the harbour of Churchill during the calendar year 1937, with comparisons for previous years.

Classification	Receipts 1937 (Bush.)	Shipments 1937 (Bush.)	Total 1937 (Bush.)	Total 1936 (Bush.)
Via water.....		603,982	603,982	4,293,501
Via rail.....				2,297,432
Total 1937.....		603,982	603,982	
“ 1936.....	2,676,266	4,346,667	7,022,933	
“ 1935.....	2,329,385	2,434,212	4,763,597	
“ 1934.....	3,968,170	4,068,283	8,036,453	
“ 1933.....	2,763,443	2,714,143	5,477,586	

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance work consisted of the annual upkeep and repairs to the dredging fleet, buoys, sheds, wharves and piers, railway system, grain elevator and conveyor galleries, powerhouse and heating plant, boarding establishment buildings, shops, floating and shore equipment, the marine railway, and the water supply system. Maintenance to dredging fleet included thorough cleaning and

painting of the hulls of all floating equipment. The following major maintenance work was carried out in 1937: The dredged basin in front of the wharf and approach channels were sounded through the ice and swept during the navigation season. A new hull was built for the sweep scow, and extensive repairs were made to both forward spud wells of the dredge "Churchill No. 2." Boat spouts of the grain conveyor system were painted, elevator equipment and conveying machinery were overhauled and worn spouting renewed and repaired. In the powerhouse the storage batteries were replaced and an additional water storage tank for winter was installed. The track of the marine railway was realigned and the cradle cleaned and painted. The thirty-ton locomotive crane was thoroughly overhauled. All maintenance work undertaken during the year was carried out by harbour forces.

CAPITAL WORKS

An additional auxiliary power unit of 70 k.w. capacity was purchased and installed in 1937. This diesel electric generator set supplements a 25 k.w. diesel electric generator purchased in 1936 to provide power and light for the slack season when the power demand does not justify operation of the larger units of the power house thus effecting a substantial economy in operation costs.

REVENUES AND EXPENDITURES

Restricted use of the elevator in 1937 resulted in a decrease in the operating revenues from \$84,443 in 1936 to \$6,418 in 1937. Operating and maintenance expenses were \$148,331, this expenditure being required to maintain an adequate working organization and keep up the properties. In 1936, the expenditures were \$280,457. Due to the reduction in expenditures, the net loss on the operation of Churchill was less in 1937 than in 1936, notwithstanding the lower earnings. The loss in 1937 was \$140,889, as compared with \$196,014 in 1936, no charge being made for interest or depreciation.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES

Harbour General			
Harbour Dues.....	\$	26 00	
Miscellaneous.....		82 92	
			\$ 108 92
Wharves and Piers			
Top Wharfage.....		518 04	
Dockage.....		1,000 00	
			1,518 04
Permanent Sheds			
Storage.....		321 95	
Miscellaneous.....		357 36	
			679 31
Railway System.....			336 75
Grain Elevator System			
Storage.....		461 03	
Miscellaneous.....		30 00	
			491 03
Miscellaneous—Outsiders.....			3,284 19
			\$ 6,418 24

OPERATING EXPENSES

Administration.....		32,556 17	
Operation and Maintenance			
Harbour Dredging.....	12,849 02		
Harbour General.....	4,780 34		
Wharves and Piers.....	3,781 47		
Permanent Sheds.....	2,298 23		
Railway System.....	2,752 86		
Grain Elevator System.....	26,371 76		
Miscellaneous.....	20,379 05		
Departmental Services not distributed.....	42,562 35	115,775 08	148,331 25

Operating Deficit..... 141,913 01

MISCELLANEOUS INCOME CREDITS..... 1,033 40

Net Income Deficit..... \$ 140,889 61

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1937

ASSETS		LIABILITIES	
FIXED			
Harbour Dredging.....	\$ 1,180,299 95	Dominion Government Account	
Real Estate.....	60,215 74	Expenditure under Appropriations.....	\$ 13,338,782 05
Miscellaneous Structures.....	181,602 40	Government Loans Applied for—Contra.....	1,213 94
Wharves and Piers.....	1,367,768 68		\$ 13,339,995 99
Permanent Sheds.....	200,594 74		
Railway System.....	32,755 20	Accounts Payable—Construction.....	8,380 00
Grain Elevator System.....	4,133,460 34		
Harbour Buildings.....	146,585 01		
Harbour Shops.....	13,289 71		
Electric Power System.....	19,641 34	Working Capital Advances.....	21,000 00
Water Supply System.....	407,897 10	Accounts Payable.....	2,656 97
Floating Equipment.....	1,325,342 75	Salaries and Wages Payable.....	3,645 70
Miscellaneous Small Plant.....	455,157 36		
Engineering—General Surveys.....	109,441 06		
Sundry Expenditure (Undistributed).....	3,674,314 61	Contractors' Security Deposits—Contra.....	838 00
	<u>\$ 13,308,375 99</u>		
CURRENT			
Cash—Receiver General of Canada.....	177 65		
Accounts Receivable.....	2,231 74	Surplus and Deficit Account	
Advances Due on Capital Account.....	1,213 94	Net Income Deficit for 1937.....	140,889 61
Advances Due on Deficit Account.....	13,836 64		
Stores on Hand.....	44,585 08	Deduct	
Accrued Revenue.....	48 36	Government Grant <i>re</i> 1937 Deficit.....	140,889 61
Grain Overages.....	5,038 88		
	<u>67,132 29</u>		
SECURITY DEPOSITS	838 00		
	<u>170 38</u>		
PREPAID CHARGES			
	<u>\$ 13,376,516 66</u>		
			<u>\$ 13,376,516 66</u>

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard Inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year around has a minimum depth of 35 feet. The Board operates three piers and two jetties having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's three grain elevators have a total storage capacity of 8,610,000 bushels, a combined loading capacity of about 184,000 bushels per hour and $1\frac{1}{4}$ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 Imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish.

TRAFFIC

The volume of shipping and cargo tonnage registered a decrease in 1937 as compared with the previous year. Due, in part, to the strike at United States Pacific ports, which was not settled until February 4, the harbour was very active at the beginning of the year. Later in the season, however, traffic was detrimentally affected by the disappointing crop in the Prairie Provinces, by disturbed conditions in the Orient and by the shortage of tramp tonnage and increased freight rates.

Cargo tonnage was 6,912,123 tons in 1937, as compared with 7,766,114 in the previous year, a decrease of 853,991 tons. The decrease in wheat alone was 1,176,446 tons. Exports of apples, fishmeal, fish oil, lead and zinc concentrates, scrap metal, canned milk, kraft paper, pulp, canned fish, frozen, cured and salt fish, piling, doors and box shooks, held up well. The principal decreases were shown by grain, flour, newsprint, lumber and shingles. The movement of general cargo inwards and outwards was satisfactory.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Vancouver during the calendar year 1937, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	22,657	11,566,408
Departures.....	22,558	11,641,356
Total 1937.....	45,215	23,207,764
“ 1936.....	39,345	23,871,557
“ 1935.....	36,571	22,415,692
“ 1934.....	33,940	22,955,053
“ 1933.....	31,546	21,808,879

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Vancouver during the calendar year 1937.

Classification	Number of Vessels	Net Reg. Tonnage
<i>Arrivals</i>		
1. Deepsea or ocean-going commercial.....	959	3,990,590
2. Coastal or inland.....	21,698	7,575,818
3. Fishery.....		
4. All others.....		
5. Total.....	22,657	11,566,408
<i>Departures</i>		
1. Deepsea or ocean-going commercial.....	989	4,089,258
2. Coastal or inland.....	21,569	7,552,098
3. Fishery.....		
4. All others.....		
5. Total.....	22,558	11,641,356
Total Arrivals and Departures.....	45,215	23,207,764

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Vancouver during the calendar year 1937, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	1,771,692	1,894,554	3,666,246
Domestic.....	2,404,311	841,566	3,245,877
Total 1937.....	4,176,003	2,736,120	6,912,123
“ 1936.....	3,879,919	3,886,195	7,766,114
“ 1935.....	3,205,188	3,134,448	6,339,636
“ 1934.....	3,056,068	3,203,513	6,259,581
“ 1933.....	2,717,311	3,387,534	6,104,845

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Vancouver during the calendar year 1937, with comparison for 1936, analysed by commodities.

Basis. Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	1	536,322	536,323	1,712,769
2. Corn.....	32,635		32,635	48,756
3. Oats.....		16,849	16,849	57,436
4. Barley.....		1,994	1,994	171
5. Rye.....				1
6. Flaxseed.....	28	3	31	14,441
7. Other Grain.....	10,772	1,027	11,799	95,105
8. Flour.....	1,513	45,378	46,891	40,528
9. Other Mill Products.....	18,662	15,987	34,649	241
10. Hay and Straw.....	110	314	424	1,406
11. Cotton.....	694	258	952	16,286
12. Apples (fresh).....	733	16,904	17,637	24,772
13. Other Fruit (fresh).....	16,177	2,470	18,647	1,283
14. Potatoes.....	612	2,407	3,019	4,668
15. Other Fresh Vegetables.....	2,227	2,963	5,190	87,441
16. Other Agricultural Products.....	77,623	4,056	81,679	
Total 1937.....	161,787	646,932	808,719	
" 1936.....	191,565	1,913,739		2,105,304
<i>Animal Products</i>				
17. Horses.....	78	55	133	282
18. Cattle and Calves.....	6,655	1,126	7,781	6,492
19. Sheep.....	81	107	188	171
20. Hogs.....	14		14	1
21. Dressed Meats (fresh).....	36	833	869	1,372
22. Dressed Meats (cured-salted-canned).....	1,587	730	2,317	1,100
23. Other Packing House Products (edible).....	1,727	228	1,955	1,615
24. Poultry.....	2	71	73	5
25. Eggs.....	1,269	1,171	2,440	1,074
26. Butter.....	47	43	90	79
27. Cheese.....	302	79	381	374
28. Wool.....	4,768	123	4,891	6,169
29. Hides and Leather.....	3,761	2,292	6,053	6,359
30. Other Animal Products (non-edible).....	8,309	9,025	17,334	10,376
Total 1937.....	28,636	15,883	44,519	
" 1936.....	24,354	11,115		35,469
<i>Mine Products</i>				
31. Anthracite Coal.....				2,562
32. Bituminous Coal.....	258,331	1,627	259,958	217,795
33. Lignite Coal.....				
34. Coke.....	2,080	7,226	9,306	6,345
35. Iron Ores.....				
36. Copper Ore and Concentrates.....	1,594	9,515	11,109	1,974
37. Other Ores and Concentrates.....	447	10,795	11,242	10,396
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....		34,646	34,646	25,616
39. Sand and Gravel.....	257,297	19,627	276,924	181,107
40. Stone (crushed, ground, broken).....	1,367	140	1,507	4,739
41. Slate, Dimension or Block Stone.....	4,034	15,239	19,273	6,151
42. Crude Petroleum.....	1,081,278	157,040	1,238,318	964,918
43. Asphalt (Natural, By-Product Petroleum).....	224	689	913	930
44. Salt.....	29,970	8,807	38,777	37,688
45. Other Mine Products.....	2,823	10,940	13,763	12,005
Total 1937.....	1,639,445	276,291	1,915,736	
" 1936.....	1,409,434	62,792		1,472,226

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1937	Outward 1937	Total 1937	Total 1936
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	1,167,166	475,406	1,642,572	1,615,305
47. Cordwood and Other Firewood.....	9,534	94,730	104,264	88,978
48. Ties.....		13,719	13,719	6,275
49. Pulpwood.....		650	650	3,062
50. Lumber, Timber, Box, Crate and Cooperage Material.....	323,210	485,612	808,822	811,953
51. Other Forest Products.....	7,819	16,960	24,779	39,606
Total 1937.....	1,507,729	1,087,077	2,594,806	
" 1936.....	1,455,799	1,109,380		2,565,179
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	38,055	157,003	195,058	284,280
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	16,838	852	17,690	6,961
54. Sugar.....	80,835	59	80,894	84,905
55. Iron, Pig and Bloom.....	852	2,038	2,890	6,260
56. Rails and Fastenings.....	12,333	5,816	18,149	14,932
57. Iron and Steel (bar, sheet, structural, pipe).....	64,022	51,974	115,996	111,916
58. Castings, Machinery and Boilers.....	6,389	8,353	14,742	12,668
59. Cement.....	34,426	1,342	35,768	19,400
60. Brick and Artificial Stone.....	3,942	1,584	5,526	4,455
61. Lime and Plaster.....	6,048	1,123	7,171	5,888
62. Agricultural Implements and Vehicles other than Autos.....	1,746	1,423	3,169	1,215
63. Sewer Pipe and Drain Tile.....	153		153	75
64. Automobiles, Auto Trucks and Auto Parts.....	6,520	23,179	29,699	36,464
65. Household Goods and Settlers' Effects.....	1,056	426	1,482	
66. Furniture.....	4,502	3,771	8,273	6,393
67. Liquor Beverages.....	7,377	4,841	12,218	13,930
68. Fertilizers, all kinds.....	24,114	19,344	43,458	67,484
69. Newsprint Paper.....	65,363	39,186	104,549	147,293
70. Other Paper.....	59,739	23,844	83,583	38,393
71. Paper Board, Pulpboard and Wallboard (paper).....	1,033	1,647	2,680	446
72. Wood Pulp.....	18,080	12,296	30,376	30,277
73. Fish (fresh, frozen, cured, etc.).....	73,566	69,736	143,302	149,962
74. Canned Goods (all Canned Food Products except meats).....	17,858	6,177	24,035	16,698
75. Other Manufactures and Miscellaneous.....	293,559	273,923	567,482	527,641
Total 1937.....	838,406	709,937	1,548,343	
" 1936.....	798,767	789,169		1,587,936
Grand Total, 1937.....	4,176,003	2,736,120	6,912,123	
" 1936.....	3,879,919	3,886,195		7,766,114
<i>COMMODITY GROUP</i>				
Agricultural.....	161,787	646,932	808,719	2,105,304
Animal.....	28,636	15,883	44,519	35,469
Mine.....	1,639,445	276,291	1,915,736	1,472,226
Forest.....	1,507,729	1,087,077	2,594,806	2,565,179
Manufactures and Miscellaneous.....	838,406	709,937	1,548,343	1,587,936
Total 1937.....	4,176,003	2,736,120	6,912,123	
" 1936.....	3,879,919	3,886,195		7,766,114

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Vancouver during the calendar year 1937, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	12,353	13,670	26,023
Coastwise.....	582,023	592,946	1,174,969
Total 1937.....	594,376	606,616	1,200,992
“ 1936.....	479,836	482,240	962,076
“ 1935.....	393,588	394,478	788,066
“ 1934.....	397,674	405,134	802,808
“ 1933.....	335,380	341,935	677,315

4. GRAIN ELEVATORS

Statement showing the total quantity of grain handled at terminal elevators at the harbour of Vancouver during the calendar year 1937, with comparisons for previous years.

Classification	Receipts 1937	Shipments 1937	Total 1937	Total 1936
	(Bush.)	(Bush.)	(Bush.)	(Bush.)
Via water.....	1,416,945	17,682,204	19,099,149	63,120,415
Via rail.....	16,544,126	6,067,164	22,611,290	59,969,924
Via other.....	208,906	.....	208,906	258,559
Total 1937.....	18,169,977	23,749,368	41,919,345	.....
“ 1936.....	58,536,075	64,812,823	123,348,898	.....
“ 1935.....	47,212,116	46,494,516	93,706,632	.....
“ 1934.....	54,412,459	51,584,055	105,996,514	.....
“ 1933.....	65,921,286	68,192,295	134,113,581	.....

5. TERMINAL RAILWAY

Statement showing the total number of railway cars handled by the National Harbours Board terminal railway at the harbour of Vancouver during the calendar year 1937, with comparisons for 1936.

Classification	1937	1936
Received from connecting lines		
1. Revenue cars.....	10,961	20,246
2. Non-revenue cars.....	10,502	12,521
3. Total.....	21,463	32,767
Delivered to connecting lines		
1. Revenue cars.....	10,541	12,056
2. Non-revenue cars.....	11,027	20,787
3. Total.....	21,568	32,843
Switched locally		
1. Revenue cars.....	671	1,122
2. Non-revenue cars.....	671	1,122
3. Total.....	1,342	2,244
Total		
1. Revenue cars.....	22,173	33,424
2. Non-revenue cars.....	22,200	34,430
3. Total.....	44,373	67,854

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

General harbour maintenance at Vancouver consisted of routine repairs and upkeep to aids to navigation, signal station, booming grounds, roadways, sewers and culverts, as well as tracks and crossings on Granville Island. The head office and other harbour buildings were maintained in a good state of repair. In the general maintenance of wharves and piers, the asphalt decking on Ballantyne pier was patched and partly resurfaced, granite sets on crane tracks replaced with planking, shed roofs, doors, cargo cranes, hoists and water installation were repaired and maintained and metal aprons and gutters renewed. At Lapointe pier, No. 1 and No. 3 jetties under-water inspection and repairs were made, together with repairs to deck planking, mooring posts, shed roofs, while at Japan dock, in addition to routine maintenance, a portion of the deck planking and some fender log cables and fastenings were renewed. Only routine maintenance was required at the fish dock and vegetable oil wharf. Progressive maintenance painting was done on the steel work of the grain galleries at Ballantyne pier, permanent sheds of fish dock, as well as pumphouse on the vegetable oil wharf, yard offices and round house. Maintenance to the terminal railway consisted of tie replacements, ballasting and relining of tracks and renewal of rails, ties and switches where required. Major maintenance operations in 1937 consisted of replacement of trolley poles for the electric railway on Granville Island, the replacement of dolphins in the booming ground, occasioned by severe storm damage, and the cutting back of the loading platform at Lapointe pier shed to provide additional clearance for refrigerator car doors. In addition to the running maintenance of the Second Narrows bridge involving the overhaul and repair of operating equipment, the south end counterweight cables were thoroughly cleaned and relubricated, bronze liners

added to the counterweight shoes and the planking on the east roadway of the bridge renewed. Progressive painting maintenance was carried on over the whole bridge structure.

CAPITAL WORKS

Replacement No. 3 Elevator Workhouse and Jetty Deck.—On March 15, 1937, a contract was entered into with the Carter-Halls-Aldinger Company Limited, for the replacement of the original timber workhouse of No. 3 elevator which, by reason of the storage capacity having been increased from 600,000 to 2,600,000 bushels since its original construction, was found inadequate, moreover, it was a fire hazard. This contract covered the construction of a fireproof workhouse of steel and concrete, completely equipped with the most modern grain handling machinery. It included also replacement of timber decking of No. 3 jetty in creosoted timber, also replacement of its approach trestle with a gravel fill. The work, which included removal of the old structure, was started the middle of March and on the 1st of October the workhouse was sufficiently completed to permit its being put into service for the handling of grain to No. 3 elevator by the lessees, the United Grain Growers Limited. All work on the reconstruction of the workhouse and replacement of the deck and approach trestle of No. 3 jetty was completed and taken over from the contractor at the middle of November, 1937.

Gear Shed—Ballantyne Pier.—In 1937 the Board's maintenance forces constructed a timber frame, metal sheathed shed 140 feet by 34 feet at Ballantyne Pier on a foundation built by contract in 1936. Construction of this shed was completed in May when it was put in use for the housing of cargo handling gear and maintenance stores and equipment, some of the materials used in the construction of this shed being salvaged from the demolition of No. 3 workhouse.

Scow Pool—North Vancouver.—In order to increase the tie-up space for scow loads of lumber awaiting the arrival of vessels in Vancouver Harbour, 980 feet of additional timber dolphins and floats were added to the scow pool on the north side of the harbour, this work being completed in the summer of 1937, under contract with the Vancouver Pile Driving and Contracting Company.

REVENUES AND EXPENDITURES

Operating revenues in 1937 amounted to \$1,636,648, as compared with \$1,792,981 in 1936, a decrease of \$156,333, or 9%. Receipts from harbour dues, cargo rates, terminal railway operation and elevator rentals were adversely affected by the decrease in wheat shipments. Operating and maintenance expenses were \$708,830, as compared with \$718,997 in 1936, a decrease of \$10,167. After taking into account income credits and debits, and providing for reserve for replacements and interest due Dominion Government, there was a net income deficit for the year of \$471,289, as compared with a deficit of \$349,162 in the previous year.

REPAYMENT OF BANK LOANS

Bank loans amounting to \$983,405, incurred for the reconstruction of Second Narrows bridge, were repaid in 1937, an advance of this amount bearing interest at 3½% per annum having been obtained from the Dominion Government to pay off this indebtedness.

ANNUAL REPORT, 1937

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 105,342 30	
Cargo Rates.....	457,468 31	
Miscellaneous.....	352,483 95	
	<u> </u>	\$ 915,294 56

Wharves and Piers

Top Wharfrage.....	205,889 01	
Miscellaneous.....	24,339 31	
	<u> </u>	230,228 32

Permanent Sheds

Shed Rentals.....	15,817 50	
Storage.....	66,037 78	
Miscellaneous.....	40,507 96	
	<u> </u>	122,363 24

Railway System.....		120,133 12
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Grain Elevator System

Rentals.....		221,167 30
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Cold Storage System

Storage.....	2,087 50	
Miscellaneous.....	25,374 94	
	<u> </u>	27,462 44

\$ 1,636,648 98

OPERATING EXPENSES

Administration.....		119,189 38
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Operation and Maintenance

Harbour General.....	232,052 58	
Roads, Fences and Boundaries.....	412 01	
Wharves and Piers.....	83,258 26	
Permanent Sheds.....	128,846 70	
Shed Hoists.....	408 20	
Railway System.....	119,048 15	
Grain Elevator System.....	6,253 39	
Cold Storage System.....	19,361 68	
	<u> </u>	589,640 97

708,830 35

Operating Income.....		927,818 63
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INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	92,988 61	
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MISCELLANEOUS INCOME CREDITS.....	53,280 04	
	<u> </u>	146,268 65

Total Income.....		1,074,087 28
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....		84,831 19
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989,256 09

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	250,000 00	
Interest due Dominion Government.....	1,210,545 35	
	<u> </u>	1,460,545 35

Net Income Deficit.....	\$	471,289 26
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Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1937

HARBOUR OF VANCOUVER

81

ASSETS

FIXED	
Real Estate.....	\$ 6,642,862 96
Vehicular Bridges.....	98,181 20
Roads, Fences and Boundaries.....	280,028 93
Miscellaneous Structures.....	10,135 68
Wharves and Piers.....	7,873,924 93
Permanent Sheds.....	1,437,356 96
Railway System.....	1,353,828 63
Grain Elevator System.....	6,225,890 71
Cold Storage System.....	65,181 00
Office Furniture and Appliances.....	33,240 35
Harbour Buildings.....	63,221 32
Floating Equipment.....	108,463 88
Shore Equipment.....	337,991 66
Miscellaneous Small Plant.....	43,071 23
Engineering—General Surveys.....	3,084 59
	<u>\$24,576,404 03</u>
CURRENT	
Cash—Receiver General of Canada.....	438,878 12
Accounts Receivable.....	\$ 309,753 76
Less: Reserve for Bad Debts.....	91,199 97
	<u>218,553 79</u>
Advances due on Capital Account.....	11,268 46
Stores on Hand.....	22,235 62
Accrued Revenue.....	3,358 30
	<u>694,294 29</u>
SECOND NARROWS BRIDGE—Equity	
INVESTMENTS.....	981,497 65
SECURITY DEPOSITS.....	168,693 00
	<u>10,650 00</u>
REPLACEMENT FUND.....	2,074,568 15
FIRE AND GENERAL INSURANCE FUND.....	11,701 83
PREPAID CHARGES.....	4,329 31
DEFERRED DEBITS.....	96 05
	<u>\$28,522,294 31</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest Bearing).....	\$24,941,082 45
Government Loans Applied For—Contra.....	11,288 46
	<u>\$24,952,350 91</u>
ACCOUNTS PAYABLE—CONSTRUCTION	
	24,701 16
CURRENT	
Accounts Payable.....	148,537 31
Matured Interest Unpaid due Dominion Government.....	1,691,443 69
Unclaimed Wages.....	320 82
	<u>1,840,301 82</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA	
	10,650 00
RESERVES	
Replacement.....	2,074,568 15
Fire and General Insurance.....	11,701 83
	<u>2,086,269 98</u>
DEFERRED CREDITS	
	123,170 04
	<u>29,037,443 91</u>
SURPLUS AND DEFICIT ACCOUNT	
Surplus as at December 31, 1936.....	20,912 04
Deduct	
Net Income Deficit for 1937....	\$ 471,289 26
Adjustments in 1937.....	64,772 38
	<u>536,061 64</u>
	515,149 60

\$28,522,294 31

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge at the harbour of Vancouver during the calendar year 1937, with comparisons for 1936.

Classification	1937	1936
	Revenue passages	Revenue passages
Passengers in vehicles and Pedestrians.....	2,141,671	1,843,745
Automobiles (passenger).....	748,758	666,519
Trucks (including buses).....	143,910	112,191
All others.....	1,585	6,715
Total.....	3,035,924	2,629,170

REVENUES AND EXPENDITURES

Operating revenues in 1937 amounted to \$164,900, as compared with \$140,089 in 1936, showing an increase of \$24,811, or 17%. Operating expenses were \$62,611, as compared with \$60,586 in the previous year. After deduction of expenses, there was an operating income of \$102,288, which compares with \$79,502 in 1936 and \$42,085 in 1935. A net income surplus of \$43,440 was earned in 1937 as compared with \$21,198 in 1936.

Under the agreement relating to the purchase and reconstruction of Second Narrows bridge, the first charge on the net revenue derived from its operations is repayment in twenty equal annual instalments of sinking fund and interest of moneys expended on reconstruction. This annual instalment amounts to \$81,077.74. In 1937, after deducting \$5,915 for reserve for replacement from the operating income of \$102,288, there was a balance of \$96,373 available to meet principal and interest payments, with the result that at the end of the year, the amount of matured instalments unpaid was reduced to \$67,421.

The accounts of the bridge, which in former years did not strictly reflect the provisions of the agreement relating to disposition of the revenue, were adjusted in 1937 to give effect to its terms, and the necessary entries were made both in the books of the bridge and of the harbour.

INCOME STATEMENT FOR THE CALENDAR YEAR 1937

OPERATING REVENUES		
Bridge Tolls Collected.....	\$ 163,555 45	
Sundry Receipts.....	1,345 27	
	<u>\$</u>	164,900 72
OPERATING EXPENSES		
Administration.....	2,400 00	
Operation.....	48,962 69	
Maintenance.....	11,249 18	
	<u></u>	62,611 87
Operating Income.....		102,288 85
INTEREST ON DEBT TO VANCOUVER HARBOUR.....		52,982 89
		<u>49,355 96</u>
OTHER INCOME REQUIREMENTS		
Reserve for Replacements.....		5,915 17
Net Income Surplus (before providing for instalments of principal).....	<u>\$</u>	43,440 79

Second Narrows Bridge, Vancouver BALANCE SHEET AS AT DECEMBER 31, 1937

ASSETS		LIABILITIES	
FIXED		CAPITAL	
Capital Cost Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured balance.....	\$ 914,075 77
Office Furniture and Appliances.....	510 70		
CURRENT		CURRENT	
Cash—Receiver General of Canada. \$ 2,229 05		Accounts Payable.....	368 55
Cash on hand.....	398 90	Ticket Liability.....	7,734 79
		Vancouver Harbour—Matured instalment unpaid.....	67,421 88
	\$ 2,627 95		75,525 22
		RESERVES	
Accounts Receivable.....	995 60	Replacement.....	20,703 09
Less: Reserve for Bad Debts.....	176 20		8 33
	819 40	DEFERRED CREDITS.....	1,010,312 41
REPLACEMENT FUND.....	20,703 09	SURPLUS ACCOUNT (REPRESENTING REPAYMENT OF PRINCIPAL OUT OF INCOME)	
PREPAID CHARGES.....	4,118 97	Balance as at December 31, 1936.....	4,193 67
DEFERRED DEBITS.....	34 65	Balance brought from Income Statement.....	43,440 79
			47,634 46
		Deduct	
		Adjustment of previous years' instalments.....	18,724 31
			28,910 56
			<u>\$ 1,039,222 56</u>

This Balance Sheet is drawn up so as to reflect the terms of an agreement dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statements of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board, and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1937

REVENUES

Assessments.....	\$ 129,420 74	
Sundry Receipts.....	100 00	
	<hr/>	\$ 129,520 74

EXPENDITURES

Salaries.....	89,060 17	
Travelling Expenses.....	7,010 69	
Advertising.....	2,026 36	
Office Expenses.....	13,891 59	
Treasury Office		
Salaries and Expenses.....	18,920 27	
	<hr/>	130,909 08
Excess of Expenditures over Revenues.....	\$	<u><u>1,388 34</u></u>

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1937

ASSETS		LIABILITIES	
FIXED		CURRENT	
Office Furniture and Appliances.....	\$ 4,249 14	Accounts Payable.....	\$ 3,547 48
CURRENT		RESERVE	
Accounts Receivable.....	2,159 14	General Workmen's Compensation Claims.....	76,669 79
GENERAL WORKMEN'S COMPENSATION FUND		SURPLUS AND DEFICIT ACCOUNT	
Cash and Securities.....	\$ 72,362 78	Surplus created by capitalization of Office Furniture and Appliances purchased from Income..	\$ 4,249 14
Accounts Receivable.....	4,307 01	Deduct	
		Excess of Expenditure over Revenue.....	1,388 34
			2,860 80
			<u>\$ 83,078 07</u>
			<u><u>\$ 83,078 07</u></u>

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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1938



OTTAWA
J. O. PATENAUDE, I.S.O.
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1939

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ANNUAL REPORT

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1939

NATIONAL HARBOURS BOARD

R. O. Campney.....Chairman.
Colonel A. E. Dubuc.....Vice-Chairman and Chief Engineer.
B. J. Roberts.....Member.

F. W. Riddell.....Executive Secretary.
J. T. Rowan.....Assistant Secretary.

Halifax.....R. W. Hendry.....Port Manager.
Saint John.....Alex. Gray.....Port Manager and Chief
Engineer.
Chicoutimi.....L. A. Dussault.....Port Manager.
Quebec.....Louis Beaudry.....Port Manager and Acting
Chief Engineer.
Three Rivers.....J. R. Lariviere.....Acting Secretary.
Montreal.....Alex. Ferguson.....Port Manager.
Prescott.....G. T. Birch.....Acting Superintendent.
Port Colborne.....C. A. Bennett.....Superintendent.
Churchill.....W. N. Twolan.....Port Manager.
Vancouver.....K. J. Burns.....Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, February 15, 1939

To the Honourable C. D. HOWE, M.P.,
Minister of Transport,
Ottawa.

SIR:—Pursuant to Section 32 of the National Harbours Board Act, we have the honour to submit the annual report of the National Harbours Board for the calendar year 1938, covering the operations of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

TRAFFIC

Traffic statistics for 1938 indicate that harbour activity was sustained at a relatively high level during the year.

The aggregate number of arrivals of vessels at harbours under the jurisdiction of the Board was greater than in 1937, and the net registered tonnage of all arrivals also showed an increase. The number of vessels in 1938 was 40,467 with aggregate net tonnage of 34,030,575, as compared with 40,228 vessels in 1937 having a tonnage of 32,886,863.

Water-borne cargo received at and shipped from harbours operated by the Board reached the aggregate total of 31,732,877 tons in 1938, as against 32,195,291 tons in 1937, the decrease being 462,414 tons, or 1.4%. This decline, though slight, reflects the less satisfactory condition of domestic and international trade. The aggregate volume of harbour traffic last year, however, was still about 5,000,000 tons greater than in 1935. A favourable factor in 1938 was a substantial increase in shipments of grain as compared with 1937, when the volume was unusually low owing to the small crop.

The following statement summarizes, by commodity groups, the volume of water-borne cargo tonnage in the past two years:—

WATER-BORNE CARGO TONNAGE

Basis: Tons—W. (2,000 lbs.) or M.

Commodity Group	Total In and Out 1938	Total In and Out 1937
	(Tons)	(Tons)
Agricultural Products.....	9,121,820	8,607,071
Animal Products.....	351,894	343,603
Mine Products.....	11,295,743	11,587,527
Forest Products.....	3,943,883	4,154,650
Manufactures and Miscellaneous.....	7,019,537	7,502,440
Total.....	31,732,877	32,195,291

Outward cargo in 1938 was greater than in 1937 by 258,377 tons, or 2%, but inward cargo showed a drop of 720,791 tons, or 3.6%, as compared with the previous year.

Foreign traffic in 1938 recorded an increase of 1,589,620 tons, or 9%, over the figures for 1937, while domestic traffic contracted by 2,052,034 tons, or 15%.

The following statements summarize, by harbours, the volume of shipping and the water-borne cargo tonnage in 1938, with corresponding figures for the previous year:—

SHIPPING—ARRIVALS

Harbour	1938		1937	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
Halifax.....	3,224	4,034,436	3,243	4,050,719
Saint John.....	2,169	2,504,548	2,105	2,501,594
Chicoutimi.....	187	57,733	209	57,971
Quebec.....	3,898	5,013,390	4,165	4,130,924
Three Rivers.....	2,945	2,196,976	2,850	2,365,051
Montreal.....	5,729	8,589,519	4,985	8,204,293
Churchill.....	25	13,480	14	9,903
Vancouver.....	22,290	11,620,493	22,657	11,566,408
Total.....	40,467	34,030,575	40,228	32,886,863

WATER-BORNE CARGO TONNAGE

Basis: Tons—W. (2,000 lbs.) or M.

Harbour	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
Halifax.....	1,171,922	882,589	2,054,511	2,376,209
Saint John.....	707,912	1,225,613	1,933,525	2,018,412
Chicoutimi.....	50,619	4,576	55,195	116,432
Quebec.....	1,247,322	495,409	1,742,731	1,685,391
Three Rivers.....	1,900,349	961,196	2,861,545	2,696,036
Montreal.....	10,060,958	6,639,426	16,700,384	16,369,634
Churchill.....	52	28,780	28,832	21,054
Vancouver.....	3,796,612	2,559,542	6,356,154	6,912,123
Total 1938.....	18,935,746	12,797,131	31,732,877	
“ 1937.....	19,656,537	12,538,754		32,195,291

REVENUES AND EXPENDITURES

For the third successive year, we are able to report substantially increased revenues and reduced expenses. Operating revenues of all harbours and facilities administered by the Board amounted to \$9,144,936 in 1938, as compared with \$8,452,355 in 1937, an increase of \$692,581, or 8%. Expenses of administration, operation and maintenance totalled \$4,408,724, as against \$4,598,442 in the previous year, showing a decrease of \$189,718, or 4%. Operating profit for the year was \$4,736,212, which represented a gain over the figure for 1937 of \$882,299, or 23%.

After taking into account miscellaneous income debits and credits and providing for interest and reserve for replacements, the resulting net income deficit for 1938 was \$4,796,984, as compared with \$5,565,678 in the previous year, showing an improvement of \$768,694.

On April 14, 1938, revised tariffs of harbour dues, dockage and top wharfage, applicable to the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers and Montreal, were put into force, after approval by the Governor in Council. The additional revenues obtained in 1938 are attributable, in part, to the operation of these tariffs and, in part, to increased earnings of grain elevators, cold storage warehouses and toll bridges, as well as other sources of income. The further reduction in operating expenses has been obtained after absorbing additional amounts for labour and other purposes in connection with the operation of those facilities which experienced an increased volume of business in 1938.

It may be useful, as in previous reports, to set out separately, with comparisons for preceding years, the statement of earnings of: (1) the seven harbours which were formerly administered by local commissioners and which now

have been under one management for three years, and (2) the Prescott and Port Colborne elevators and the harbour of Churchill, which were transferred to the Board's jurisdiction from the Department of Transport as of January 1, 1937, and have therefore been in the control of the Board for two years.

Dealing first with the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver, their operating revenues for 1938, which amounted to \$8,742,456, showed an increase of \$480,235, or almost 6%, over those of the previous year. Operating and maintenance expenses, on the other hand, showed a decrease of \$204,966, or nearly 5%, the figures for 1938 being \$4,063,709 and for 1937, \$4,268,675. The net improvement in operating income was, therefore, \$685,201.

After taking into consideration miscellaneous credits, and providing for interest and reserve for replacements, the net income deficit for these seven harbours in 1938 was \$4,850,533, as compared with \$5,427,988 shown by the accounts for 1937, indicating a reduction of \$577,455 in the deficit.

The following is a consolidated income statement for the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver for each of the years 1935 to 1938 inclusive:—

CONSOLIDATED INCOME STATEMENT

(EXCLUDING PRESCOTT, PORT COLBORNE AND CHURCHILL)

	1938	1937	1936	1935
OPERATING REVENUES.....	\$8,742,456	\$8,262,221	\$8,030,600	\$7,427,455
OPERATING AND MAINTENANCE EXPENSES.....	4,063,709	4,268,675	4,494,713	4,975,756
Operating Income.....	4,678,747	3,993,546	3,535,887	2,451,699
MISCELLANEOUS CREDITS (Net).....	3,161	81,470	37,146	6,198
Total Income.....	4,681,908	4,075,016	3,573,033	2,445,501
INTEREST DUE PUBLIC.....	1,095,916	1,203,082	1,298,719	1,325,300
	3,585,992	2,871,934	2,274,314	1,120,201
OTHER INCOME REQUIREMENTS				
Reserve for Replacements.....	1,923,348	1,909,186	1,907,179	788,359
Interest due Government.....	6,813,177	6,690,736	6,543,718	6,376,300
	8,736,525	8,599,922	8,450,897	7,164,659
	5,150,533	5,727,988	6,176,583	6,044,458
Deduct				
Special Contributions to Deficits (Bridge— Montreal).....	300,000	300,000	300,000	300,000
Net Income Deficit.....	\$4,850,533	\$5,427,988	\$5,876,583	\$5,744,458

The progress of these harbours in the last three years, in so far as their financial position is concerned, is revealed by the statement shown above. Since 1935, the year in which the change in harbour administration took place, operating revenues have risen from \$7,427,455 to \$8,742,456, an increase of \$1,315,001, or nearly 18%. In the same period operating and maintenance expenses have been reduced from \$4,975,756 to \$4,063,709, a decrease of \$912,047, or 18%. Operating income has grown from \$2,451,699 in 1935 to \$4,678,747 in 1938, a gain of \$2,227,048, or 90%.

The net income deficit in 1935 was shown by the accounts to be \$5,744,458, after charging interest on outstanding debt and \$788,359 for reserve for replacements. In 1938, after charging interest on debt then outstanding and \$1,923,348 for reserve for replacements, the net income deficit was \$4,850,533. If the more adequate provision for depreciation of physical properties in 1938, as compared with 1935, is left out of consideration for the purpose of making a fair comparison, it is to be observed that the improvement which has taken place in the net deficit of these harbours now exceeds \$2,000,000 per annum.

The improvement in operating results in each of the harbours is indicated by the following statement:

STATEMENT OF OPERATING REVENUES, OPERATING EXPENSES and OPERATING INCOME FOR THE YEARS 1935, 1936, 1937 and 1938

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Halifax.....	1935	500,936	504,851	3,915*
	1936	510,179	433,040	77,139
	1937	581,740	429,472	152,268
	1938	599,856	420,765	179,091
Change—1938 relative to 1935.....		+ 98,920	— 84,086	+183,006
Saint John.....	1935	322,954	272,860	50,094
	1936	367,448	256,380	111,068
	1937	435,952	240,302	195,650
	1938	445,726	242,544	203,182
Change—1938 relative to 1935.....		+122,772	— 30,316	+153,088
Chicoutimi.....	1935	13,328	20,401	7,073*
	1936	21,307	18,639	2,668
	1937	21,750	14,361	7,389
	1938	21,254	13,374	7,880
Change—1938 relative to 1935.....		+ 7,926	— 7,027	+ 14,953
Quebec.....	1935	466,474	781,758	315,284*
	1936	482,542	673,838	191,295*
	1937	447,780	572,334	124,551*
	1938	488,013	537,316	49,503*
Change—1938 relative to 1935.....		+ 21,539	—244,442	+265,981
Three Rivers.....	1935	93,076	47,837	45,239
	1936	122,347	32,191	90,156
	1937	172,309	18,023	154,286
	1938	191,881	33,242	158,639
Change—1938 relative to 1935.....		+ 98,805	— 14,595	+113,400
Montreal.....	1935	4,032,770	2,394,967	1,637,803
	1936	4,238,836	2,209,179	2,029,657
	1937	4,377,350	2,136,800	2,240,550
	1938	4,917,837	2,095,656	2,822,181
Change—1938 relative to 1935.....		+885,067	—299,311	+1,184,378
Jacques Cartier Bridge (Montreal).....	1935	347,698	145,439	202,259
	1936	354,867	91,861	263,006
	1937	423,785	84,550	339,235
	1938	445,945	91,785	354,160
Change—1938 relative to 1935.....		+ 98,247	— 53,654	+151,901
Vancouver.....	1935	1,537,044	736,554	800,490
	1936	1,792,980	718,997	1,073,983
	1937	1,636,648	708,830	927,818
	1938	1,453,905	566,397	887,508
Change—1938 relative to 1935.....		— 83,139	—170,157	+ 87,018
Second Narrows Bridge (Vancouver).....	1935	113,168	71,083	42,085
	1936	140,089	60,586	79,502
	1937	164,899	62,611	102,288
	1938	178,039	62,630	115,409
Change—1938 relative to 1935.....		+ 64,871	— 8,453	+ 73,324

*Deficit.

With a larger volume of grain traffic, operating revenues in 1938 of the elevators at Prescott and Port Colborne and the harbour of Churchill were more than double those of the previous year, amounting to \$402,480, as compared with \$190,133. To obtain the additional revenue of \$212,347, an increase of but \$15,249 in operating expenses was required. The result of the year's operations, after taking into consideration miscellaneous income debits, was a surplus of \$53,549, as compared with a deficit in 1937 of \$137,690, or a net improvement of \$191,239. No charge for interest or replacement reserve is made in the case of these facilities, with the exception of interest on a small amount of capital expended since they were transferred to the Board.

The following is a consolidated income statement for these units for 1938, showing also corresponding figures for 1936 and 1937:

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1938	1937	1936
Operating Revenues.....	\$ 402,480	\$ 190,133	\$ 448,838
Operating and Maintenance Expenses.....	345,015	329,766	487,667
	<u>57,465</u>	<u>139,633</u>	<u>38,829</u>
Other Debits and Credits (Net).....	3,916	1,943	781
Net Income Surplus or Deficit.....	<u>\$ 53,549</u>	<u>\$137,690</u>	<u>\$ 38,048</u>

CAPITAL EXPENDITURES

Expenditures on fixed assets charged to capital in 1938 amounted to \$1,549,756. In addition, the sum of \$353,004 was expended on replacement of physical assets at Vancouver and Montreal chargeable to replacement reserve, making a total outlay of \$1,902,760, as follows:—

CAPITAL—		
Saint John.....	\$	333,367
Chicoutimi.....		42,360
Quebec.....		231,529
Three Rivers.....		177,283
Montreal.....		747,348
Vancouver.....		17,869
		<u>\$1,549,756</u>
Replacement of Physical Assets—		
Montreal.....	\$	348,817
Vancouver.....		4,187
		<u>353,004</u>
		<u>\$1,902,760</u>

The expenditures charged to capital are financed by means of advances from the Dominion Treasury, on which interest at the rate of $3\frac{1}{2}\%$ per annum is charged.

As at December 31, 1938, the book value of fixed assets administered by the Board was \$223,196,112.

Capital works are referred to in more detail in the data submitted for each harbour.

RETIREMENT OF DEBT

During the year, advances were also obtained from the Dominion Treasury, on the same terms as for capital expenditures, for the redemption of maturing

debentures held by the public in the amount of \$2,160,257, in respect of the following harbours:—

Halifax.....	\$1,700,000
Saint John.....	60,257
Quebec.....	400,000
	<u>\$2,160,257</u>

As separate accounts are kept for each harbour or property and the revenues of each, as provided by Section 31 of the National Harbours Board Act, must be assigned exclusively for its own purposes, the 1938 operations involve payments from the Dominion Treasury covering the cash deficits of Quebec and Churchill harbours, Prescott elevator and Jacques Cartier bridge in the amounts of \$75,983, \$55,010, \$7,447 and \$358,000 respectively, a total of \$496,440. Working capital advances from the Dominion Treasury for Quebec, \$44,500, and Prescott, \$12,000, were outstanding at the close of the year.

The total amounts required from the Dominion Treasury for the year, apart from the above-mentioned current advances for working capital, amounted to \$4,206,453, made up of capital expenditures, \$1,549,756, retirement of debt, \$2,160,257 and deficits, \$496,440. On the other hand, payments by the Board to the Dominion Treasury totalled \$2,883,406, made up as follows: interest on advances, \$2,700,000, earnings of Port Colborne elevator, \$125,000 and refunds of advances for capital expenditures in previous years, \$58,406.

As at December 31, 1938, reserves in the form of securities or cash balances on deposit with the Receiver General had a book value of \$5,560,132, the net accretion during the year being \$1,336,185. These are earnings set aside for the replacement of physical properties and for insurance and workmen's compensation funds.

AUDIT

A continuous audit of the accounts of the Board has been made by the Auditor General of Canada.

Consolidated income statements and balance sheets, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, supplemented by details of traffic and works carried on in 1938, are appended to this report.

Respectfully submitted,

R. O. CAMPNEY,
Chairman.

A. E. DUBUC,
Vice-Chairman and Chief Engineer.

B. J. ROBERTS,
Member.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 223,907 49	
Cargo Rates.....	411,710 93	
Miscellaneous.....	321,038 58	
		\$ 956,657 00

Wharves and Piers

Top Wharfage.....	2,708,806 63	
Dockage.....	574,081 51	
Miscellaneous.....	372,561 39	
		3,655,449 53

Permanent Sheds

Shed Rentals.....	344,325 65	
Storage.....	116,372 96	
Miscellaneous.....	53,314 44	
		514,013 05

Shed Hoists.....

		26,986 70
--	--	-----------

Railway System.....

Grain Elevator System

Elevation.....	1,412,994 37	
Storage.....	271,776 19	
Rentals.....	306,849 92	
Miscellaneous.....	63,995 03	
		2,055,615 51

Cold Storage System

Storage.....	330,824 98	
Miscellaneous.....	99,452 96	
		430,277 94

Miscellaneous—Outsiders.....

		284,676 44
--	--	------------

Bridge Tolls and Sundry Receipts.....

	623,984 15	\$9,144,935 61
--	------------	----------------

OPERATING EXPENSES

Administration.....	625,090 43	
---------------------	------------	--

Operation and Maintenance

Harbour Dredging.....	81,436 29	
Harbour General.....	477,974 82	
Vehicular Bridges.....	5,816 49	
Roads, Fences and Boundaries.....	48,908 55	
Sewers and Drains.....	6,835 01	
Wharves and Piers.....	272,359 80	
Permanent Sheds.....	345,612 60	
Shed Hoists.....	17,173 09	
Railway System.....	592,168 40	
Grain Elevator System.....	1,100,877 22	
Cold Storage System.....	372,868 48	
Water Supply System.....	24,647 92	
Miscellaneous—Outsiders.....	260,192 11	
Departmental Services.....	46,481 85	
Bridges.....	130,281 01	
		3,783,633 64

4,408,724 07

Operating Income.....

4,736,211 54

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	168,412 14	
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MISCELLANEOUS INCOME CREDITS.....	41,839 21	
-----------------------------------	-----------	--

210,251 35

Total Income.....

4,946,462 89

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income Received from Reserve Funds Transferred to Reserves.....	160,352 14	
Reserve for Bad Debts.....	4,611 81	
Miscellaneous Income Charges.....	21,731 26	
Trustees Fees, Commissions, Bond Discount, etc.....	24,087 14	
		210,782 35

Income Available for Interest due Public.....

4,735,680 54

INTEREST ON DEBT TO THE PUBLIC.....	1,095,915 95	
-------------------------------------	--------------	--

3,639,764 59

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	1,923,347 61	
Interest due Dominion Government.....	6,813,400 73	
		8,736,748 34

5,096,983 75

Deduct: Special Contributions to Deficits (Bridge—Montreal).....	300,000 00	
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Net Income *Deficit*.....\$ 4,796,983 75

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED	
Harbour Dredging.....	\$ 12,220,320 71
Real Estate.....	12,753,384 29
Vehicular Bridges.....	186,725 51
Roads, Fences and Boundaries.....	1,720,996 38
Sewers and Drains.....	484,222 59
Miscellaneous Structures.....	733,143 89
Wharves and Piers.....	86,331,763 14
Permanent Sheds.....	19,594,070 08
Shed Hoists and Electric Cranes.....	235,271 24
Railway System.....	8,335,336 65
Grain Elevator System.....	41,830,770 08
Cold Storage System.....	5,534,359 14
Office Furniture and Appliances.....	127,907 69
Harbour Buildings.....	724,179 62
Central Heating Plants.....	170,960 87
Harbour Shops.....	334,991 93
Electric Power System.....	1,338,479 50
Water Supply System.....	713,756 00
Floating Equipment.....	2,209,585 74
Shore Equipment.....	670,877 48
Miscellaneous Small Plant.....	554,690 61
Engineering—General Surveys.....	606,402 98
Works under Construction.....	919,090 57
Sundry Expenditure—Undistributed.....	5,297,865 94
Bridge Construction and Right-of-Way, etc.....	19,566,959 81
	<hr/> \$ 223,196,112 44
CURRENT	
Cash.....	1,501,836 24
Accounts Receivable.....	1,042,572 37
Advances due on Capital Account.....	44,899 62
Advances due on Deficit Account.....	48,430 38
Stores on Hand.....	370,863 16
Accrued Revenue.....	106,153 55
	<hr/>
	3,114,755 32
INVESTMENTS.....	168,693 00
SECURITY DEPOSITS.....	252,182 23
REPLACEMENT FUND.....	5,225,939 86
FIRE AND GENERAL INSURANCE FUND.....	262,160 51
GENERAL WORKMEN'S COMPENSATION FUND.....	72,031 14
MISCELLANEOUS FUNDS.....	118,535 19
BOND DISCOUNT SUSPENSE ACCOUNT.....	272,757 30
PREPAID CHARGES.....	31,865 54
DEFERRED DEBITS.....	19,603 62
	<hr/>
	\$ 232,734,636 15

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1938

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....	\$ 21,058,737 82	
DOMINION GOVERNMENT ACCOUNT		
Loans and Advances (Interest bearing).....	\$ 152,271,650 78	
Expenditure under Appropriations.....	49,243,661 23	
Government Loans Applied For—contra.....	44,899 62	
		201,560,211 63
ACCOUNTS PAYABLE—CONSTRUCTION.....		303,892 53
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		84,006 48
CURRENT		
Working Capital Advances.....	56,500 00	
Accounts Payable.....	222,898 87	
Salaries and Wages Payable.....	21,024 68	
Matured Interest Unpaid—		
Due Public.....	20,591 85	
Due Dominion Government.....	39,317,136 03	
Accrued Interest due Public.....	135,369 22	
Matured Debentures due Public.....	37,000 00	
Unclaimed Wages.....	556 38	
Other Current Liabilities.....	4,648 97	
		39,865,726 00
CONTRACTORS' HOLDBACKS—MAINTENANCE.....		73 60
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		252,182 23
RESERVES		
Replacement.....	7,958,509 73	
Fire and General Insurance.....	262,160 51	
General Workmen's Compensation.....	72,031 14	
		8,292,701 38
DEFERRED CREDITS.....		230,448 92
		271,647,980 59
SURPLUS AND DEFICIT ACCOUNT		
Deficit as at December 31, 1937.....	34,231,446 99	
Adjustments in 1938.....	62,675 37	
Net Income Deficit for 1938.....	4,796,983 75	
		39,091,106 11
Deduct:		
Government Grants.....	177,761 67	
		38,913,344 44
		<u>\$ 232,734,636 15</u>

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the Ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year around and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates 7 main piers and wharves having about 13,600 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,273,000 square feet. In addition, the Board manages a 2,200,000 bushel grain elevator with a maximum loading capacity of 90,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,000,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

TRAFFIC

Ocean-going vessels entering the harbour in 1938 showed an increase of 132, as compared with 1937, but as coastal and inland traffic fell off, the aggregate volume of shipping showed no appreciable change from the previous year. The number of vessel arrivals was 3,224, with net registered tonnage of 4,034,436, as against 3,243 vessels in 1937 with an aggregate tonnage of 4,050,719.

Cargo tonnage fell short of the record volume of 1937, the total for 1938, both foreign and domestic, being 2,054,511 tons. The decrease from the 1937 figure was 321,698 tons, over three-fifths of which related to traffic over piers other than those operated by the Board. Decreases in four commodities—wheat, crude petroleum, gasoline and lumber—accounted for about 86% of the reduced volume of water-borne traffic. The most notable increase was that of apples, 99,493 tons having been handled in 1938, as compared with 76,161 in 1937. The 1938 crop in Nova Scotia was one of the best on record.

Shipments of grain from the elevator amounted to 880,306 bushels, as compared with 4,440,160 bushels in 1937. The lower volume reflected crop conditions of the previous season.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Halifax during the calendar year 1938, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	3,224	4,034,436
Departures.....	3,204	4,007,546
Total 1938.....	6,428	8,041,982
“ 1937.....	6,479	8,100,797
“ 1936.....	6,094	7,525,916
“ 1935.....	5,907	7,687,153
“ 1934.....	5,513	8,768,615

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Halifax during the calendar year 1938 with comparisons for 1937.

Classification	1938		1937	
	No. of Vessels	Net Reg. Tonnage	No. of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
(1) Deepsea or ocean-going commercial.....	1,063	3,801,251	931	3,692,024
(2) Coastal or inland.....	1,273	144,978	1,291	251,473
(3) Fishery.....	846	58,132	989	60,124
(4) All others.....	42	30,075	32	47,098
(5) Total.....	3,224	4,034,436	3,243	4,050,719
<i>Departures—</i>				
(1) Deepsea or ocean-going commercial.....	1,054	3,776,373	932	3,692,736
(2) Coastal or inland.....	1,265	145,260	1,293	251,812
(3) Fishery.....	842	57,897	980	59,508
(4) All others.....	43	28,016	31	46,022
(5) Total.....	3,204	4,007,546	3,236	4,050,078
Total Arrivals and Departures.....	6,428	8,041,982	6,479	8,100,797

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Halifax during the calendar year 1938, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	978,018	634,231	1,612,249
Domestic.....	193,904	248,358	442,262
Total 1938.....	1,171,922	882,589	2,054,511
“ 1937.....	1,334,412	1,041,797	2,376,209
“ 1936.....	1,260,100	880,358	2,140,458
“ 1935.....	1,212,386	983,443	*2,195,829
“ 1934.....	1,089,934	1,006,271	*2,096,205

* Inclusive of cross harbour movements and bunkering, excluded in figures for 1936, 1937 and 1938.

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Halifax during the calendar year 1938, with comparisons for 1937, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
(Tons)	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	8	2,823	2,831	56,025
2. Corn.....	24,016	240	24,256	26,083
3. Oats.....	797	2,030	2,827	1,714
4. Barley.....	4	316	320	11
5. Rye.....	1	16	17	1
6. Flaxseed.....	730	20	750	1,616
7. Other Grain.....	6,005	59,874	65,879	78,344
8. Flour.....	1,435	15,067	16,502	22,761
9. Other Mill Products.....	2,281	2,281	2,281	1,567
10. Hay and Straw.....	73	73	73	571
11. Cotton.....	2,341	97,152	99,493	76,161
12. Apples (fresh).....	15,125	1,499	16,624	21,061
13. Other Fruit (fresh).....	1,122	17,216	18,338	18,727
14. Potatoes.....	3,712	3,776	7,488	7,800
15. Other Fresh Vegetables.....	47,395	6,311	53,706	55,767
16. Other Agricultural Products.....				
Total 1938.....	102,764	208,621	311,385	
" 1937.....	113,767	254,442		368,209
<i>Animal Products</i>				
17. Horses.....	4	25	29	20
18. Cattle and Calves.....		1,609	1,609	624
19. Sheep.....		3	3	1
20. Hogs.....		2	2	
21. Dressed Meats (fresh).....	75	1,822	1,897	2,334
22. Dressed Meats (cured-salted-canned).....	968	14,153	15,121	17,795
23. Other Packing House Products (edible).....	1,624	6,054	7,678	8,298
24. Poultry.....	3	213	216	818
25. Eggs.....		176	176	244
26. Butter.....	1,441	463	1,904	580
27. Cheese.....	113	1,089	1,202	961
28. Wool.....	2,949	35	2,984	7,035
29. Hides and Leather.....	1,390	1,881	3,271	3,929
30. Other Animal Products (Non-edible).....	78	2	80	222
Total 1938.....	8,645	27,527	36,172	
" 1937.....	12,153	30,708		42,861
<i>Mine Products</i>				
31. Anthracite Coal.....	71,575		71,575	69,506
32. Bituminous Coal.....	82,286	663	82,949	100,419
33. Lignite Coal.....				
34. Coke.....	5,183		5,183	9,131
35. Iron Ores.....	11		11	162
36. Copper Ore and Concentrates.....	275	5,945	6,220	6,302
37. Other Ores and Concentrates.....	3,646	595	4,241	18,449
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	1,673	47,843	49,516	34,243
39. Sand and Gravel.....	358		358	220
40. Stone (crushed, ground, broken).....	1		1	
41. Slate, Dimension or Block Stone.....	138	5	143	257
42. Crude Petroleum.....	589,799	17,196	606,995	739,082
43. Asphalt (Natural, By-product Petroleum).....	3	82	85	5
44. Salt.....	9,346	830	10,176	10,617
45. Other Mine Products.....	662	181	843	2,080
Total 1938.....	764,956	73,340	838,296	
" 1937.....	936,522	53,951		990,473

CARGO TONNAGE BY COMMODITIES—*Concluded**Basis: Tons—W. (2,000 lbs.) or M.*

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	15	1,401	1,416	876
47. Cordwood and Other Firewood.....				
48. Ties.....				
49. Pulpwood.....	882	5,267	6,149	
50. Lumber, Timber, Box, Crate and Cooperage Material.....	1,758	81,655	83,413	119,050
51. Other Forest Products.....	17,597	2,492	20,089	18,522
Total 1938.....	20,252	90,815	111,067	
" 1937.....	19,525	118,923		138,448
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	48,630	211,454	260,084	315,410
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	356	5,464	5,820	11,063
54. Sugar.....	65,431	11,530	76,961	65,294
55. Iron, Pig and Bloom.....	196	47	243	33
56. Rails and Fastenings.....				131
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	2,348	4,780	7,128	5,859
58. Castings, Machinery and Boilers.....	2,950	342	3,292	2,190
59. Cement.....	22,988	810	23,798	39,364
60. Brick and Artificial Stone.....	857	340	1,197	2,345
61. Lime and Plaster.....	388	681	1,069	1,613
62. Agricultural Implements and Vehicles other than Autos.....		1,805	1,805	3,123
63. Sewer Pipe and Drain Tile.....	120		120	137
64. Automobiles, Auto Trucks and Auto Parts.....	654	38,595	39,249	37,244
65. Household Goods and Settlers' Effects.....	80	315	395	4,100
66. Furniture.....	414	1,649	2,063	1,931
67. Liquor Beverages.....	1,877	246	2,123	2,179
68. Fertilizers, all kinds.....	7,325	2,998	10,323	12,321
69. Newsprint Paper.....	4,029	45,596	49,625	47,446
70. Other Paper.....	828	1,806	2,634	4,898
71. Paper Board, Pulpboard and Wallboard (paper).....	119	10,101	10,220	11,535
72. Wood Pulp.....		5,651	5,651	1,693
73. Fish (fresh, frozen, cured, etc.).....	52,712	42,646	95,358	89,483
74. Canned Goods (all Canned Food Products except meats).....	3,484	12,601	16,085	13,948
75. Other Manufactures and Miscellaneous.....	59,519	82,829	142,348	162,878
Total 1938.....	275,305	482,286	757,591	
" 1937.....	252,445	583,773		836,218
Grand Total 1938.....	1,171,922	882,589	2,054,511	
" 1937.....	1,334,412	1,041,797		2,376,209
COMMODITY GROUP—				
Agricultural.....	102,764	208,621	311,385	368,209
Animal.....	8,645	27,527	36,172	42,861
Mine.....	764,956	73,340	838,296	990,473
Forest.....	20,252	90,815	111,067	138,448
Manufactures and Miscellaneous.....	275,305	482,286	757,591	836,218
Total 1938.....	1,171,922	882,589	2,054,511	
" 1937.....	1,334,412	1,041,797		2,376,209

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Halifax during the calendar year 1938, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	13,428	10,345	23,773
Coastwise.....	218	271	489
Total 1938.....	13,646	10,616	24,262
“ 1937.....	16,056	14,244	30,300
“ 1936.....	9,677	8,375	18,052
“ 1935.....	*11,055	10,814	21,869
“ 1934.....	*12,909	13,069	25,978

* Figures are incomplete. Records not available for privately-owned piers 1934-35 inclusive.

4. GRAIN ELEVATOR

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Halifax during the calendar year 1938, with comparison for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	(Bush.)
Via water.....	892,379	100,483	992,862
Via rail.....	185,615	414,749	600,364
Via other.....		365,074	365,074
Total 1938.....	1,077,994	880,306	1,958,300
“ 1937.....	2,450,495	4,440,160	6,890,655
“ 1936.....	3,604,141	3,405,636	7,009,777
“ 1935.....	3,917,678	4,785,678	8,703,356
“ 1934.....	3,407,715	2,517,046	5,924,761

MAINTENANCE WORKS

During 1938 ordinary maintenance and repairs, necessary to keep the Board's facilities in good condition, were carried out on wharves, sheds, cold storage buildings and equipment, grain elevator and equipment, roadways, water supply, heating and drainage systems. Wharf fenders were repaired, floating fenders rebuilt and replaced and some timber in wooden wharves renewed. Shed foundations, floors, doors and siding were repaired, parts replaced, and immigration quarters and offices redecorated. Cold storage warehouse doors and trucks were rebuilt and refrigeration equipment overhauled. Grain elevator and conveyor equipment was overhauled and repaired. Water supply lines at the cattle shed were reconditioned and partly replaced, heating plants and piping overhauled and repairs made to drainage systems of sheds.

In addition the following major maintenance projects were carried out:— At pier 2, Deep Water Terminals, additional concrete piles in the substructure were reconditioned and the creosoted timber lagging thereon renewed. The concrete of the approach apron along the spur tracks to the pier was removed, the tracks realigned by the Canadian National Railway and the concrete replaced. At pier 2 heating plant the smoke stacks were replaced in steel. At the grain elevator the weather-proofing of the storage bins was completed and some of the timber posts and bracing of the conveyor galleries replaced. At the cold storage terminals the exterior surface of the concrete walls on the east and west sides of the warehouse buildings was repaired and weatherproofed. A bituminous surface treatment was applied to the macadam roadway extending south from pier "B" to the breakwater.

REVENUES AND EXPENDITURES

Operating revenues in 1938 amounted to \$599,856, showing an increase of \$18,115 over the earnings in 1937. Operating and maintenance expenses showed a reduction of \$8,708 being \$420,765, as compared with \$429,473 in 1937. After meeting these current expenses, an operating income of \$179,091 was shown. The corresponding figure in 1937 was \$152,268.

After payment of interest on debt to the public, and charging reserve for replacements and interest due the Dominion Government, the year's operations resulted in a net income deficit of \$582,537, as compared with \$603,837 in 1937.

The cold storage warehouse again improved its financial showing, realizing an operating surplus of \$78,709. This compares with a profit of \$62,620 in 1937, \$14,656 in 1936, and \$8,923 in 1935, indicating a remarkable growth in the earnings of this plant in the three-year period.

Owing to the small volume of grain tendered to the elevator in 1938, an operating loss of \$39,190 was sustained by this facility.

REDEMPTION OF DEBENTURES

On November 1, 1938, there fell due \$1,700,000 3% debentures, issued to the public in 1933 to finance the purchase of the cold storage plant. This was the only remaining public issue of debentures outstanding in respect of the harbour of Halifax. These debentures were redeemed from moneys advanced by the Dominion Government, the rate of interest charged being $3\frac{1}{2}\%$.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 15,125 14	
Miscellaneous.....	5,179 81	
	<u>\$</u>	20,304 95

Wharves and Piers

Top Wharfage.....	201,830 18	
Dockage.....	65,216 74	
Miscellaneous.....	19,301 38	
	<u></u>	286,348 30

Permanent Sheds

Shed Rentals.....	18,788 00	
Storage.....	20,619 77	
Miscellaneous.....	27,499 30	
	<u></u>	66,907 07

Grain Elevator System

Elevation.....	8,404 79	
Storage.....	6,989 65	
Miscellaneous.....	391 54	
	<u></u>	15,785 98

Cold Storage System

Storage.....	141,501 67	
Miscellaneous.....	49,891 52	
	<u></u>	191,393 19

Miscellaneous—Outsiders.....	19,116 68	
	<u>\$</u>	599,856 17

OPERATING EXPENSES

Administration.....	57,046 32
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Operation and Maintenance

Harbour General.....	40,463 18	
Roads, Fences and Boundaries.....	3,409 89	
Sewers and Drains.....	240 10	
Wharves and Piers.....	31,647 40	
Permanent Sheds.....	108,937 08	
Grain Elevator System.....	54,975 76	
Cold Storage System.....	112,684 16	
Miscellaneous—Outsiders.....	11,286 87	
Departmental Services.....	74 26	
	<u></u>	363,718 70
		<u>420,765 02</u>

Operating Income.....	179,091 15
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INCOME RECEIVED FROM RESERVE FUNDS.....	2,354 61
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MISCELLANEOUS INCOME CREDITS.....	789 41
	<u>3,144 02</u>

Total Income.....	182,235 17
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income Received from Reserve Funds Transferred to Reserves.....	2,354 61	
Reserve for Bad Debts.....	1,017 03	
	<u></u>	3,371 64

Income Available for Interest due Public.....	178,863 53
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INTEREST ON DEBT TO THE PUBLIC.....	42,500 00
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	<u>136,363 53</u>
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OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	518,900 96	
	<u></u>	718,900 96

Net Income Deficit.....	\$ 582,537 43
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Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1938

HARBOUR OF HALIFAX

21

ASSETS

FIXED	
Harbour Dredging.....	160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	223,108 41
Sewers and Drains.....	60,611 27
Miscellaneous Structures.....	28,337 08
Wharves and Piers.....	16,067,534 20
Permanent Sheds.....	5,017,932 55
Grain Elevator System.....	2,348,442 09
Cold Storage System.....	1,735,079 48
Office Furniture and Appliances.....	26,573 55
Central Heating Plants.....	65,316 59
Electric Power System.....	38,438 99
Water Supply System.....	94,515 73
Floating Equipment.....	2,968 01
Shore Equipment.....	52,866 97
Miscellaneous Small Plant.....	42,110 33
Engineering—General Surveys.....	475,501 67
	<u>\$26,972,903 89</u>

CURRENT	
Cash—Receiver General of Canada.....	\$ 41,212 29
Cash—On Hand.....	6,376 47
Cash in Bank—Bond Redemption Account.....	31,500 00
	<u>79,088 76</u>
Accounts Receivable.....	74,457 20
Less Reserve for Bad Debts.....	2,236 38
Stores on Hand.....	72,220 82
Accrued Revenue.....	20,473 19
	<u>14,160 65</u>

SECURITY DEPOSITS.....	185,943 42
REPLACEMENT FUND.....	34,242 23
FIRE AND GENERAL INSURANCE FUND.....	201,982 25
MISCELLANEOUS FUNDS.....	21,803 06
PREPAID CHARGES.....	2,287 50
DEFERRED DEBITS.....	241 82
	<u>144 60</u>
	<u>\$ 27,419,548 77</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest bearing).....	\$ 12,168,443 94
Expenditure under Appropriations.....	14,762,404 61
	<u>\$ 26,930,848 55</u>
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	100 00
CURRENT	
Accounts Payable.....	12,800 44
Salaries and Wages Payable.....	3,450 77
Matured Interest Unpaid.....	2,287 50
Due Public.....	\$ 2,785,275 75
Due Dominion Government.....	2,787,563 25
Matured Debentures due Public—Contra.....	31,500 00
	<u>2,835,314 46</u>
CONTRACTORS' HOLDBACKS—MAINTENANCE.....	73 60
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	34,242 23
RESERVES	
Replacement.....	601,982 25
Fire and General Insurance.....	21,803 06
	<u>623,785 31</u>
DEFERRED CREDITS.....	997 62
	<u>30,425,361 77</u>
SURPLUS AND DEFICIT ACCOUNT	
Deficit as at December 31, 1937.....	2,421,007 95
Adjustments in 1938.....	2,267 62
Net Income Deficit for 1938.....	582,537 43
	<u>\$ 3,005,813 00</u>
	<u>\$ 27,419,548 77</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North shore of the Bay of Fundy, is open to navigation the year around and is served by both Canadian Pacific and Canadian National railways. It is accessible from the sea by a main channel six hundred feet wide with a minimum depth of thirty-five feet at extreme low tide. Here, the Board operates 7 main piers and wharves having some 12,500 linear feet of berthing with available drafts alongside varying from 25 feet to 35 feet at extreme low water, and 16 transit sheds, including two frostproof sheds, with an aggregate floor space of about 810,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels and is connected to a majority of the berths by over two miles of conveyor galleries with a loading capacity of 60,000 bushels per hour. A 45-ton fixed derrick is available on the Navy Island quay side.

TRAFFIC

The aggregate volume of shipping in 1938 was slightly greater than in the previous year. The number of arrivals of vessels was 2,169, having an aggregate net registered tonnage of 2,504,548, as compared with 2,105 vessels in 1937 with registered tonnage of 2,501,594. Deep-sea vessels showed an increase of 59, but coastal and inland traffic was on a reduced scale.

The figures of cargo tonnage in 1938 indicate that the general volume of business handled by the port was well maintained. Cargo tonnage totalled 1,933,525 tons, as compared with 2,018,412 tons in 1937, a decrease of 84,887. This decrease, however, is more than accounted for by a reduction in wheat shipments. With this exception, and one or two other items, the tonnage of the various commodities handled did not show material changes from the previous year. There was a notable increase of about 177,000 tons in pulpwood, while potatoes and sawn lumber showed decreases of 30,000 tons and 68,000 tons, respectively. Automobiles and parts showed an increase of about 12,000 tons.

Grain shipments in 1938 were 8,354,284 bushels, as compared with 12,224,325 in the previous year.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Saint John during the calendar year 1938, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	2,169	2,504,548
Departures.....	2,166	2,487,300
Total 1938.....	4,335	4,991,848
“ 1937.....	4,203	5,005,643
“ 1936.....	3,903	4,830,884
“ 1935.....	3,904	4,677,660
“ 1934.....	4,092	4,964,499

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Saint John, during the calendar year 1938 with comparisons for 1937.

Classification	1938		1937	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	624	1,730,609	565	1,613,819
2. Coastal or inland.....	1,385	745,536	1,439	884,041
3. Fishery.....	93	1,018	88	1,021
4. All others.....	67	27,385	13	2,713
5. Total.....	2,169	2,504,548	2,105	2,501,594
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	619	1,716,569	529	1,569,442
2. Coastal or inland.....	1,381	742,073	1,467	930,866
3. Fishery.....	99	1,273	89	1,028
4. All others.....	67	27,385	13	2,713
5. Total.....	2,166	2,487,300	2,098	2,504,049
Total Arrivals and Departures.....	4,335	4,991,848	4,203	5,005,643

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Saint John during the calendar year 1938, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	434,715	1,118,441	1,553,156
Domestic.....	273,197	107,172	380,369
Total 1938.....	707,912	1,225,613	1,933,525
“ 1937.....	773,742	1,244,670	2,018,412
“ 1936.....	704,528	1,019,833	1,724,361
“ 1935.....	620,303	808,412	1,428,715
“ 1934.....	633,042	832,782	1,465,824

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Saint John during the calendar year 1938, with comparisons for 1937, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....		178,492	178,492	297,201
2. Corn.....	12,636	19,654	32,290	32,753
3. Oats.....		1,996	1,996	4,628
4. Barley.....		25,825	25,825	17,132
5. Rye.....		3,465	3,465	134
6. Flaxseed.....				
7. Other Grain.....	28		28	957
8. Flour.....	256	59,176	59,432	61,999
9. Other Mill Products.....	1,062	25,613	26,675	20,190
10. Hay and Straw.....	47	3,002	3,049	6,486
11. Cotton.....		1	1	509
12. Apple (fresh).....	8	2,341	2,349	2,751
13. Other Fruit (fresh).....	26,732	1	26,733	28,324
14. Potatoes.....	1	24,601	24,602	55,353
15. Other Fresh Vegetables.....	1,887	828	2,715	10,748
16. Other Agricultural Products.....	39,328	2,922	42,250	33,184
Total 1938.....	81,985	347,917	429,902	
" 1937.....	81,585	490,764		572,349
<i>Animal Products</i>				
17. Horses.....		55	55	
18. Cattle and Calves.....		5,586	5,586	319
19. Sheep.....				
20. Hogs.....				
21. Dressed Meats (fresh).....	166	14,721	14,887	16,269
22. Dressed Meats (cured-salted-canned).....	553	17,104	17,657	15,568
23. Other Packing House Products (edible).....	1,076	14,400	15,476	13,087
24. Poultry.....		501	501	1,003
25. Eggs.....		42	42	93
26. Butter.....				
27. Cheese.....	109	350	459	275
28. Wool.....	3,492	581	4,073	2,778
29. Hides and Leather.....	1,115	1,240	2,355	2,039
30. Other Animal Products (Non-edible).....	395		395	360
Total 1938.....	6,906	54,580	61,486	
" 1937.....	6,044	45,747		51,791
<i>Mine Products</i>				
31. Anthracite Coal.....	70,795		70,795	90,709
32. Bituminous Coal.....	119,783	1,342	121,125	133,758
33. Lignite Coal.....				
34. Coke.....	823		823	660
35. Iron Ores.....	7,840		7,840	
36. Copper Ore and Concentrates.....				578
37. Other Ores and Concentrates.....	2,850	1,825	4,675	3,589
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	1,692	59,354	61,046	48,851
39. Sand and Gravel.....	511	672	1,183	101
40. Stone (crushed, ground, broken).....				
41. Slate, Dimension or Block Stone.....	892		892	448
42. Crude Petroleum.....				
43. Asphalt (Natural, By-product Petroleum).....				284
44. Salt.....	3,719	35	3,754	3,232
45. Other Mine Products.....	29,424	18,117	47,541	24,469
Total 1938.....	238,329	81,345	319,674	
" 1937.....	250,332	56,347		306,679

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....		10,471	10,471	10,075
47. Cordwood and Other Firewood.....				
48. Ties.....				
49. Pulpwood.....		189,193	189,193	12,330
50. Lumber, Timber, Box, Crate and Cooperage Material.....	9,718	118,362	128,080	196,354
51. Other Forest Products.....	849	1,174	2,023	2,114
Total 1938.....	10,567	319,200	329,767	
" 1937.....	11,271	209,602		220,873
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	71,148	10,929	82,077	90,515
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	23,639	724	24,363	31,331
54. Sugar.....	89,692	17,921	107,613	103,008
55. Iron, Pig and Bloom.....				
56. Rails and Fastenings.....				
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	5,482	8,236	13,718	18,846
58. Castings, Machinery and Boilers.....	4,618	1,744	6,362	4,879
59. Cement.....	107	43	150	223
60. Brick and Artificial Stone.....	1,363	6	1,369	1,875
61. Lime and Plaster.....	7	97	104	
62. Agricultural Implements and Vehicles other than Autos.....	1,735	3,898	5,633	6,045
63. Sewer Pipe and Drain Tile.....	10		10	71
64. Automobiles, Auto Trucks and Auto Parts.....	2,409	88,820	91,229	79,471
65. Household Goods and Settlers' Effects.....	1,532	2,136	3,668	2,954
66. Furniture.....	469	105	574	720
67. Liquor Beverages.....	1,780	30	1,810	2,072
68. Fertilizers, all kinds.....	40,000	2,378	42,378	52,477
69. Newsprint Paper.....		94,935	94,935	100,242
70. Other Paper.....	980	2,475	3,455	5,957
71. Paper Board, Pulpboard and Wallboard (paper).....	108	19,800	19,908	20,150
72. Wood Pulp.....		24,726	24,726	42,139
73. Fish (fresh, frozen, cured, etc.).....	646	3,904	4,550	6,755
74. Canned Goods (all Canned Foods Products, except meats).....	1,705	5,281	6,986	6,709
75. Other Manufactures and Miscellaneous.....	122,695	134,383	257,078	290,281
Total 1938.....	370,125	422,571	792,696	
" 1937.....	424,510	442,210		866,720
Grand Total 1938.....	707,912	1,225,613	1,933,525	
" 1937.....	773,742	1,244,670		2,018,412
<i>COMMODITY GROUP</i>				
Agricultural.....	81,985	347,917	429,902	572,349
Animal.....	6,906	54,580	61,486	51,791
Mine.....	238,329	81,345	319,674	306,679
Forest.....	10,567	319,200	329,767	220,873
Manufactures and Miscellaneous.....	370,125	422,571	792,696	866,720
Total 1938.....	707,912	1,225,613	1,933,525	
" 1937.....	773,742	1,244,670		2,018,412

3. PASSENGER TRAFFIC

Statement showing the number of Passengers landed and embarked by vessels at the harbour of Saint John during the calendar year 1938, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	7,577	11,262	18,839
Coastwise.....	23,911	22,278	46,189
Total 1938.....	31,488	33,540	65,028
“ 1937.....	40,502	39,632	80,134
“ 1936.....	33,009	31,013	64,022

(Comparative figures for previous years not available).

4. GRAIN ELEVATORS

Statement showing the total quantity of grain handled at terminal elevators at the harbour of Saint John during the calendar year 1938, with comparisons for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	(Bush.)
Via water.....	579,431	8,011,426	8,590,857
Via rail.....	6,883,283	342,858	7,226,096
Via other.....			
Total 1938.....	7,462,669	8,354,284	15,816,953
“ 1937.....	11,442,439	12,224,325	23,666,764
“ 1936.....	12,654,785	12,311,139	24,965,924
“ 1935.....	6,961,250	6,803,820	13,765,070
“ 1934.....	7,905,841	6,586,845	14,492,686

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs required to keep the Board's facilities in good condition were carried on during 1938 to wharves, sheds, grain elevator buildings and equipment, roadways, water supply, drainage, and heating systems. Timber wharf decks, mooring posts, vertical and floating fenders were repaired and some of the latter replaced, and mechanical wharf ramps were overhauled. Shed doors, windows, roofs and floors were repaired and the interior of several shed offices painted. Grain elevator and conveyor equipment were overhauled and part of the gallery steelwork painted. Heating equipment and piping were reconditioned and repairs made to water supply and fire protection systems. Floating and shore equipment, including the heavy lift derrick, were overhauled and reconditioned.

In addition the following major maintenance works, representing in some cases replacement, in part, of structures requiring renewal, were carried out:—The timber bulkhead wall across the inner end of Market Slip was replaced, under contract, by a concrete wall back-filled with rock. In berths 12, 13 and

14 disintegrated concrete in the face of the wharves was removed and replaced. The exterior steelwork of two sheds and the interior steelwork of one shed were painted.

CAPITAL WORKS

Roadway Berths 8, 9, 10 and 11.—A contract for the construction of a concrete paved roadway, 30 feet wide, to connect existing pavement on Union Street, opposite the inner end of berth 7, to existing pavement in rear of berth 12, was awarded the Maritime Construction Company, Limited, in August, 1938. This work, which included the installation of roadway lighting, was completed in November. A continuous paved roadway now serves all berths from 8 to 14.

Frostproofing Shed 13.—To provide additional frostproof shed space for the accommodation of perishable cargo, a contract was entered into with the Acme Construction Company, Limited, in August, 1938, for the insulation and heating of the outer 380 feet of transit shed 13. This work, which included the construction of rock wool insulated walls and ceiling inside the existing shed and the installation therein of unit heaters, heat control and lighting, was completed in November.

Extension of Boiler House Berth 13.—To provide additional heating required by the frost-proofing of shed 13, a contract was awarded the Acme Construction Company, Limited, in September, 1938, for the construction of an addition to the existing berth 13 boiler house, the installation therein of an additional new boiler and its connection to the existing heating plant.

Shed Connecting Transit Sheds 2 and 3.—A contract for the construction of a single-storey shed, 258 feet long by 75 feet wide of all-steel construction, with concrete floor, to connect the outer ends of existing sheds 2 and 3 was awarded Carter-Halls-Aldinger Company, Limited, in August, 1938. This addition was available for use in December.

Transit Sheds Berths 9 and 10.—The Foundation Maritime, Limited, was awarded a contract in August, 1938, for the construction of an all-steel, one-storey transit shed, 91 feet wide by 800 feet long. One hundred feet of the length of this shed was erected on berth 10 as an extension of the shed built in 1937 and the remainder on berth 9. The installation of heating plant and equipment for the shed offices was done under separate contract with the Mooney Construction Company, Limited. Passenger and cargo gangways, ships' water supply, fire alarm and protection equipment, water meters, first aid appliances and other shed equipment were installed. The Canadian Pacific Railway Company laid two additional tracks in rear of shed 9. The new sheds were put into service at the end of December.

Grain Elevator Rest Rooms.—During 1938 the Board added to its elevator and car dumper house, rest rooms and lavatories for the accommodation of the operating employees.

REVENUES AND EXPENDITURES

Operating revenues in 1938 amounted to \$445,726, exceeding those of the previous year by \$9,773. Expenses of operation, including maintenance, were \$242,544, being slightly higher than in the previous year, when \$240,302 was expended.

After taking into account income debits and credits, paying interest on debt to the public in the amount of \$74,704 and charging reserve for replacements and interest due the Dominion Government, a net income deficit of \$844,429 was shown for 1938. The corresponding loss in 1937 was \$849,133.

REDEMPTION OF DEBENTURES

Debenture indebtedness to the public in the amount of \$60,257 was paid off during the year, these being City of Saint John debentures assumed by the Saint John Harbour Commissioners in connection with the acquisition of harbour

property. The issues were \$27,757, 5½% debentures, due June 1, 1938 and \$32,500, 6% debentures, due December 1, 1938. Advances bearing interest at 3½% per annum, were obtained from the Dominion Government to meet these maturities.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES		
Harbour General		
Harbour Dues.....	\$ 19,985 57	
Miscellaneous.....	15,744 73	
	<hr/>	\$ 35,730 30
Wharves and Piers		
Top Wharfage.....	214,653 19	
Dockage.....	95,410 85	
	<hr/>	310,064 04
Permanent Sheds		
Shed Rentals.....	23,409 20	
Storage.....	14,353 23	
Miscellaneous.....	3,244 65	
	<hr/>	41,007 08
Shed Hoists (Crane).....		446 00
Railway System.....		267 50
Grain Elevator System		
Receipts from joint operation.....		48,801 76
Miscellaneous—Outsiders.....		9,409 81
		<hr/>
		\$ 445,726 49
OPERATING EXPENSES		
Administration.....		35,324 02
Operation and Maintenance		
Harbour Dredging.....	20,000 00	
Harbour General.....	36,601 82	
Vehicular Bridges.....	581 98	
Roads, Fences and Boundaries.....	1,466 82	
Sewers and Drains.....	230 74	
Wharves and Piers.....	45,202 09	
Permanent Sheds.....	50,564 59	
Shed Hoists (Crane).....	223 26	
Grain Elevator System.....	44,765 41	
Miscellaneous—Outsiders.....	7,583 73	
	<hr/>	207,220 44
		<hr/>
Operating Income.....		242,544 46
Income Received from Reserve Funds.....	2,505 65	
Miscellaneous Income Credits.....	568 73	
	<hr/>	3,074 38
Total Income.....		<hr/>
		206,256 41
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income Received from Reserve Funds Transferred to Reserves.....	2,505 65	
Reserve for Bad Debts.....	524 70	
Miscellaneous Income Charges.....	4,707 78	
	<hr/>	7,738 13
Income Available for Interest due Public.....		<hr/>
		198,518 28
Interest on Debt to the Public.....		74,703 95
		<hr/>
		123,814 33
OTHER INCOME REQUIREMENTS		
Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	768,243 39	
	<hr/>	968,243 39
Net Income Deficit.....		<hr/>
		\$ 844,429 06

Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1938

ASSETS

FIXED	
Harbour Dredging.....	\$ 917,212 72
Real Estate.....	1,758,867 14
Vehicle Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,969 66
Wharves and Piers.....	13,994,826 10
Permanent sheds.....	2,240,489 25
Shed Hoists and Electric Cranes.....	19,282 52
Railway System.....	192,660 57
Grain Elevator System.....	3,985,673 14
Office Furniture and Appliances.....	5,822 90
Harbour Buildings.....	29,409 57
Central Heating Plants.....	64,605 07
Floating Equipment.....	1,644 00
Shore Equipment.....	23,372 00
Miscellaneous Small Plant.....	6,664 35
	<u>\$ 23,421,706 36</u>
CURRENT	
Cash—Receiver General of Canada.....	29,994 61
Accounts Receivable.....	\$ 53,579 64
Less—Reserve for Bad Debts.....	500 82
Advances due on Capital Account.....	53,078 82
Stores on Hand.....	9,505 14
Accrued Revenue.....	14,581 82
	<u>3,532 03</u>

SECURITY DEPOSITS.....	110,692 42
REPLACEMENT FUND.....	26,250 00
FIRE AND GENERAL INSURANCE FUND.....	201,982 07
MISCELLANEOUS FUNDS.....	29,435 19
DEFERRED DEBITS.....	20,000 00
	852 18

\$ 23,810,918 22

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$ 1,500,337 82
DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest bearing).....	\$ 16,295,061 26
Expenditure under Appropriations.....	5,813,569 09
Government Loans Applied for—Contra.....	9,505 14
	<u>22,120,135 49</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	74,045 81
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	15,846 98
CURRENT	
Accounts Payable.....	9,978 20
Matured Interest Unpaid	
Due Public.....	\$ 2,609 10
Due Dominion Gov't.....	4,122,215 40
	<u>4,124,824 50</u>
Accrued Interest due Public.....	21,369 96
Matured Debentures due Public.....	500 00
Unclaimed Wages.....	3 35
	<u>4,156,676 01</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	26,250 00
RESERVES—	
Replacement.....	601,982 07
Fire and General Insurance.....	29,435 19
Harbour Dredging Maintenance.....	20,000 00
	<u>651,417 26</u>
DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	5,392 79
	<u>28,550,102 16</u>
SURPLUS AND DEFICIT ACCOUNT	
Deficit as at December 31, 1937.....	3,895,060 90
Net Income Deficit for 1938.....	844,429 06
	<u>4,739,489 96</u>
Deduct	
Adjustments in 1938.....	306 02
	<u>4,739,183 94</u>
	<u>\$ 23,810,918 22</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 130 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 30 feet draft, a concrete fireproof shed 400 feet by 60 feet, a frame shed 150 feet by 40 feet and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

TRAFFIC

Traffic in 1938 showed a decrease as compared with 1937, both in the volume of shipping and in tonnage of cargo received at and shipped from the harbour. Cargo tonnage amounted to 55,195 tons, as compared with 116,432 tons in 1937. The decrease is accounted for largely by adverse conditions prevailing in the newsprint industry, and particularly by the loss of tonnage in coal for this industry.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Chicoutimi during the calendar year 1938, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	187	57,733
Departures.....	187	57,733
Total 1938.....	374	115,466
“ 1937.....	423	117,340
“ 1936.....	406	85,026
“ 1935.....	346	72,739
“ 1934.....	323	68,303

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Chicoutimi during the calendar year 1938 with comparisons for 1937.

Classification	1938		1937	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	5	12,520	6	9,763
2. Coastal or inland.....	167	42,423	194	44,796
3. Fishery.....				
4. All others.....	15	2,790	9	3,412
5. Total.....	187	57,733	209	57,971
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	5	12,520	6	9,763
2. Coastal or inland.....	167	42,423	196	44,982
3. Fishery.....				
4. All others.....	15	2,790	12	4,624
5. Total.....	187	57,733	214	59,369
Total Arrivals and Departures.....	374	115,466	423	117,340

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Chicoutimi during the calendar year 1938, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	12,101	.....	12,101
Domestic.....	38,518	4,576	43,094
Total 1938.....	50,619	4,576	55,195
“ 1937.....	111,918	4,514	116,432
“ 1936.....	67,436	5,808	73,244
“ 1935.....	41,190	5,125	46,315
“ 1934.....	49,412	2,319	51,731

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Chicoutimi during the calendar year 1938, with comparisons for 1937, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	134	1	135	106
2. Corn.....	120	1	121	137
3. Oats.....	456	79	535	748
4. Barley.....	37	1	38	66
5. Rye.....	1	.....	1	.....
6. Flaxseed.....	1	.....	1	3
7. Other Grain.....	8	3	11	396
8. Flour.....	157	32	189	896
9. Other Mill Products.....	752	9	761	644
10. Hay and Straw.....	469	43	512	336
11. Cotton.....	.....	1	.....	.....
12. Apples (fresh).....	20	1	21	26
13. Other Fruit (fresh).....	23	.....	23	27
14. Potatoes.....	99	.....	99	356
15. Other Fresh Vegetables.....	111	1	112	122
16. Other Agricultural Products.....	135	4	139	425
Total 1938.....	2,523	175	2,698	.....
“ 1937.....	4,061	227	.....	4,288
<i>Animal Products</i>				
17. Horses.....	10	8	18	6
18. Cattle and Calves.....	.....	.....	.....	1
19. Sheep.....	.....	.....	.....	.....
20. Hogs.....	.....	.....	.....	.....
21. Dressed Meats (fresh).....	.....	.....	.....	.....
22. Dressed Meats (cured-salted-canned).....	71	5	76	195
23. Other Packing House Products (edible).....	40	4	44	75
24. Poultry.....	.....	.....	.....	.....
25. Eggs.....	.....	.....	.....	.....
26. Butter.....	81	13	94	81
27. Cheese.....	.....	1,130	1,130	1,364
28. Wool.....	.....	.....	.....	33
29. Hides and Leather.....	3	83	86	96
30. Other Animal Products (non-edible).....	7	.....	7	8
Total 1938.....	212	1,243	1,455	.....
“ 1937.....	385	1,474	.....	1,859

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
<i>Mine Products</i>				
31. Anthracite Coal.....	(Tons) 9,443	(Tons)	(Tons) 9,443	(Tons) 10,354
32. Bituminous Coal.....	26,247	1	26,248	71,414
33. Lignite Coal.....				
34. Coke.....	6		6	
35. Iron Ores.....				
36. Copper Ore and Concentrates.....				
37. Other Ores and Concentrates.....				4,783
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....				
39. Sand and Gravel.....				
40. Stone (crushed, ground, broken).....				
41. Slate, Dimension or Block Stone.....	7	326	333	375
42. Crude Petroleum.....				
43. Asphalt (Natural, By-product Petroleum).....	13		13	26
44. Salt.....	980	4	984	1,312
45. Other Mine Products.....		5	5	3,937
Total 1938.....	36,696	336	37,032	
" 1937.....	91,823	378		92,201
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....				
47. Cordwood and Other Firewood.....	564		564	1,276
48. Ties.....		111	111	
49. Pulpwood.....		1,028	1,028	743
50. Lumber, Timber, Box, Crate and Cooperage Material.....	1,455	9	1,464	2,132
51. Other Forest Products.....	19	7	26	113
Total 1938.....	2,038	1,155	3,193	
" 1937.....	3,318	946		4,264
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	184	124	308	507
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	173	39	212	701
54. Sugar.....	1,551	17	1,568	2,043
55. Iron, Pig and Bloom.....				
56. Rails and Fastenings.....				
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	659	6	665	674
58. Castings, Machinery and Boilers.....	22		22	
59. Cement.....				5
60. Brick and Artificial Stone.....	4		4	
61. Lime and Plaster.....	22		22	41
62. Agricultural Implements and Vehicles other than Autos.....	21	14	35	1
63. Sewer Pipe and Drain Tile.....	19		19	56
64. Automobiles, Auto Trucks and Auto Parts.....	62	44	106	31
65. Household Goods and Settlers' Effects.....	9	3	12	28
66. Furniture.....	89	52	141	225
67. Liquor Beverages.....	1,516	900	2,416	2,578
68. Fertilizers, all kinds.....	18	1	19	115
69. Newsprint Paper.....	1	151	152	314
70. Other Paper.....	88	1	89	121
71. Paper Board, Pulpboard and Wallboard (paper).....	27		27	71
72. Wood Pulp.....				
73. Fish (fresh, frozen, cured, etc.).....	272	11	283	281
74. Canned Goods (all Canned Food Products except meats).....	540	9	549	875
75. Other Manufactures and Miscellaneous.....	3,873	295	4,168	5,153
Total 1938.....	9,150	1,667	10,817	
" 1937.....	12,331	1,489		13,820
Grand Total 1938.....	50,619	4,576	55,195	
" 1937.....	111,918	4,514		116,432
COMMODITY GROUP—				
Agricultural.....	2,523	175	2,698	4,288
Animal.....	212	1,243	1,455	1,859
Mine.....	36,696	336	37,032	92,201
Forest.....	2,038	1,155	3,193	4,264
Manufactures and Miscellaneous.....	9,150	1,667	10,817	13,820
Total 1938.....	50,619	4,576	55,195	
" 1937.....	111,918	4,514		116,432

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Chicoutimi during the calendar year 1938, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....			
Coastwise.....	2,526	2,597	5,123
Total 1938.....	2,526	2,597	5,123
“ 1937.....	438	435	873

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs required to keep the Board's facilities in good condition were carried out during 1938 to wharves, roads, fenders, sheds, railway system, and floating equipment.

CAPITAL WORKS

Road Improvements.—Work was completed under the contract made in 1937 with the Department of Labour of the Government of the Province of Quebec for the surfacing of roads on the Board's property with a three-inch premix asphalt top. The length of roadway involved was about 8,700 feet. A total of 18,579 square yards of pavement was placed, of which about 5,800 square yards were done during 1938.

Other Works.—An extension was made to shed No. 1 at the west end of the wharf increasing its size to 150 feet by 40 feet. Other work included the installation of mooring buttresses on the wharf and additions to the lighting system on harbour roads.

REVENUES AND EXPENDITURES

Operating revenues in 1938 totalled \$21,254 and operating and maintenance expenses, \$13,374, each being slightly less than the figures for the previous year. After charging reserve for replacements and interest on debt to the Dominion Government, the accounts showed a net income deficit of \$207,758, as compared with a deficit of \$208,417 in 1937.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 405 13	
Miscellaneous.....	240 00	
	<u>\$</u>	645 13

Wharves and Piers

Top Wharfage.....	8,639 25	
Dockage.....	1,149 66	
Miscellaneous.....	6,543 11	
	<u></u>	16,332 02

Permanent Sheds

Shed Rentals.....	912 50	
Storage.....	2,729 55	
	<u></u>	3,642 05

Railway System.....	48 00
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Miscellaneous—Outsiders.....	586 55	
	<u>\$</u>	21,253 75

OPERATING EXPENSES

Administration.....	6,231 07
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Operation and Maintenance—

Harbour General.....	1,583 50	
Roads, Fences and Boundaries.....	30 71	
Wharves and Piers.....	3,330 15	
Permanent Sheds.....	879 53	
Railway System.....	1,127 60	
Miscellaneous—Outsiders.....	191 70	
	<u></u>	7,143 19
		<u>13,374 26</u>

Operating Income.....	7,879 49
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INCOME RECEIVED FROM RESERVE FUNDS.....	17 11
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MISCELLANEOUS INCOME CREDITS.....	287 40	
	<u></u>	304 51

Total Income.....	8,184 00
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income Received from Reserve Funds Transferred to Reserves.....	17 11	
	<u></u>	8,166 89

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	30,000 00	
Interest due Dominion Government.....	185,925 00	
	<u></u>	215,925 00

Net Income Deficit.....	<u>\$ 207,758 11</u>
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Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1938

ASSETS		LIABILITIES	
FIXED		DOMINION GOVERNMENT ACCOUNT	
Harbour Dredging.....	\$ 467,172 01	Loans and Advances (Interest bearing).....	\$ 3,819,959 68
Real Estate.....	35,671 07	Expenditure under Appropriations.....	506,398 32
Roads, Fences and Boundaries.....	115,905 96		<u>4,325,358 00</u>
Sewers and Drains.....	166,653 09		
Miscellaneous Structures.....	3,310,947 35	ACCOUNTS PAYABLE—CONSTRUCTION.....	18,000 00
Wharves and Piers.....	125,212 20		
Permanent Sheds.....	47,524 71	CURRENT	
Railway System.....	4,722 85	Accounts Payable.....	175 00
Office Furniture and Appliances.....	2,056 95	Matured Interest due Dominion Government	1,227,458 60
Harbour Shops.....	2,516 28	Unclaimed Wages.....	22 30
Electric Power System.....	17,177 13		<u>1,227,655 90</u>
Water Supply System.....	31,561 64	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	150 00
Floating Equipment.....	318 55		
Shore Equipment.....	128 10	RESERVES	
Miscellaneous Small Plant.....	18,375 66	Replacement.....	90,000 00
Engineering—General Surveys.....		Fire and General Insurance.....	1,843 77
	<u>\$ 4,343,204 70</u>		<u>91,843 77</u>
CURRENT		DEFERRED CREDITS.....	810 02
Cash—Receiver General of Canada.....	8,876 02		<u>5,663,817 69</u>
Accounts receivable.....	7,158 16		
	<u>16,034 18</u>	SURPLUS AND DEFICIT ACCOUNT	
SECURITY DEPOSITS.....	150 00	Deficit as at December 31, 1937.....	1,094,568 71
FIRE AND GENERAL INSURANCE FUND.....	1,843 77	Adjustments in 1938.....	115 99
	<u>142 23</u>	Net Income Deficit for 1938.....	207,758 11
PREPAID CHARGES.....			<u>1,502,442 81</u>
	<u>\$ 4,361,374 88</u>		<u>\$ 4,361,374 88</u>

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles Rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having about 19,000 linear feet of berthing, 9 transit sheds with a total floor area of 721,260 square feet, 32 miles of standard gauge terminal railway, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour; also, a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 50 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

TRAFFIC

Gains in ocean-going vessel tonnage, in volume of cargo and grain handlings at the elevator marked the operations of Quebec harbour in 1938.

The aggregate net registered tonnage of vessels which arrived at the harbour was 5,013,390 tons, as compared with 4,130,924 recorded in 1937.

Cargo tonnage showed an increase of 57,340 tons over the previous year, the figures being 1,742,731 tons for 1938, as against 1,685,391 tons for 1937. Commodities in which gains were registered included wheat, corn, petroleum, gasoline and cement, while decreases were shown by coal, lumber, pulpwood, newsprint paper, ores and concentrates and other mine products.

Receipts of grain at the elevator amounted to 7,311,267 bushels in 1938, as against 1,996,461 bushels in the previous year. Shipments were 5,867,269 bushels in 1938, as compared with 3,289,725 bushels in 1937.

The quantity in store at the end of 1938 was 2,169,697 bushels, as against 725,699 at the end of the previous year.

The number of cars handled by the Board's terminal railway decreased from 23,837 in 1937 to 20,650 in 1938.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Quebec during the calendar year 1938, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	3,898	5,013,390
Departures.....	3,895	5,008,378
Total 1938.....	7,793	10,021,768
“ 1937.....	8,268	8,216,532
“ 1936.....	6,204	8,169,819

(Comparative figures for previous years not available.)

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Quebec during the calendar year 1938 with comparisons for 1937.

Classification	1938		1937	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	397	2,324,175	393	2,279,604
2. Coastal or inland.....	3,411	1,814,402	3,751	1,829,359
3. Fishery.....				
4. All others.....	90	874,813	21	21,961
5. Total.....	3,898	5,013,390	4,165	4,130,924
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	397	2,324,175	395	2,283,305
2. Coastal or inland.....	3,408	1,809,390	3,687	1,780,342
3. Fishery.....				
4. All others.....	90	874,813	21	21,961
5. Total.....	3,895	5,008,378	4,103	4,085,608
Total Arrivals and Departures.....	7,793	10,021,768	8,268	8,216,532

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Quebec during the calendar year 1938, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	147,346	225,631	372,977
Domestic.....	1,099,976	269,778	1,369,754
Total 1938.....	1,247,322	495,409	1,742,731
" 1937.....	1,228,534	456,857	1,685,391
" 1936.....	1,315,319	540,823	1,856,142
" 1935.....	1,188,774	451,113	1,639,887

(Comparative figures for 1934 not available.)

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Quebec during the calendar year 1938, with comparisons for 1937, analysed by commodities.

Basis; Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
<i>Agricultural Products</i>	(Tons)	(Tons)	(Tons)	(Tons)
1. Wheat.....	54,329	15,118	69,447	17,677
2. Corn.....	48,222	85,726	133,948	35,674
3. Oats.....	5,192	1,273	6,465	14,523
4. Barley.....	14,017	8,827	22,844	3,074
5. Rye.....				
6. Flaxseed.....				4
7. Other Grain.....	425	574	999	677
8. Flour.....	11,489	4,237	15,726	17,758
9. Other Mill Products.....	357	475	832	1,081
10. Hay and Straw.....	1,002	494	1,496	689
11. Cotton.....	171	811	982	
12. Apples (fresh).....	876	282	1,158	132
13. Other Fruit (fresh).....	603	459	1,062	1,328
14. Potatoes.....	1,995	496	2,491	723
15. Other Fresh Vegetables.....	328	250	578	557
16. Other Agricultural Products.....	2,900	446	3,346	15,084
Total 1938.....	141,906	119,468	261,374	
" 1937.....	63,662	45,319		108,981
<i>Animal Products</i>				
17. Horses.....	5	74	79	21
18. Cattle and Calves.....	12	1	13	58
19. Sheep.....	20		20	17
20. Hogs.....				
21. Dressed Meats (fresh).....	113	254	367	196
22. Dressed Meats (cured-salted-canned).....	84	303	387	783
23. Other Packing House Products (edible).....	39	38	77	389
24. Poultry.....				
25. Eggs.....	69	106	175	59
26. Butter.....	10	594	604	136
27. Cheese.....	146	1,173	1,319	920
28. Wool.....				1
29. Hides and Leather.....	572	151	723	115
30. Other Animal Products (Non-edible).....	2,016	188	2,204	231
Total 1938.....	3,086	2,882	5,968	
" 1937.....	806	2,120		2,926
<i>Mine Products</i>				
31. Anthracite Coal.....	144,374	1,916	146,290	152,241
32. Bituminous Coal.....	533,352	303	533,655	565,314
33. Lignite Coal.....				
34. Coke.....				
35. Iron Ores.....	54	6,772	6,826	599
36. Copper Ore and Concentrates.....	111	1,466	1,577	
37. Other Ores and Concentrates.....		8,680	8,680	41,846
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....		309	309	
39. Sand and Gravel.....	255		255	
40. Stone (crushed, ground, broken).....	7		7	1,285
41. Slate, Dimension or Block Stone.....	224	43	267	2
42. Crude Petroleum.....	141,186	2,609	143,795	130,583
43. Asphalt (Natural, By-product Petroleum).....	35		35	3
44. Salt.....	7,054	1,098	8,152	8,046
45. Other Mine Products.....	12,854	67,013	79,867	105,151
Total 1938.....	839,506	90,209	929,715	
" 1937.....	885,744	119,326		1,005,070

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	81	1,510	1,591	1,391
47. Cordwood and Other Firewood.....	2,939	180	3,119	237
48. Ties.....	170	.....	170	400
49. Pulpwood.....	40,598	138,369	178,967	232,830
50. Lumber, Timber, Box, Crate and Cooperage Material.....	33,914	9,656	43,570	32,461
51. Other Forest Products.....	230	1,391	1,621	2,159
Total 1938.....	77,932	151,106	229,038	.....
" 1937.....	122,854	146,624	.....	269,478
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	65,638	1,086	66,724	20,572
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	918	144	1,062	.....
54. Sugar.....	8,904	104	9,008	5,452
55. Iron, Pig and Bloom.....	416	2,615	3,031	13
56. Rails and Fastenings.....	.....	50	50	18
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	3,331	4,514	7,845	1,296
58. Castings, Machinery and Boilers.....	377	329	706	429
59. Cement.....	41,195	502	41,697	28,584
60. Brick and Artificial Stone.....	1,969	1,088	3,057	1,946
61. Lime and Plaster.....	15	415	430	.....
62. Agricultural Implements and Vehicles other than Autos.....	409	158	567	89
63. Sewer Pipe and Drain Tile.....	19	29	48	104
64. Automobiles, Auto Trucks and Auto Parts.....	74	115	189	470
65. Household Goods and Settlers' Effects.....	105	24	129	28
66. Furniture.....	66	210	276	153
67. Liquor Beverages.....	1,095	139	1,234	900
68. Fertilizers, all kinds.....	12,584	994	13,578	9,548
69. Newsprint Paper.....	.....	87,561	87,561	100,932
70. Other Paper.....	511	63	574	173
71. Paper Board, Pulpboard and Wallboard (paper)...	141	1,866	2,007	433
72. Wood Pulp.....	.....	.....	.....	86
73. Fish (fresh, frozen, cured, etc.).....	1,733	108	1,841	487
74. Canned Goods (all Canned Food Pds. except meats).....	3,378	627	4,005	493
75. Other Manufactures and Miscellaneous.....	42,016	29,001	71,017	126,730
Total 1938.....	184,894	131,742	316,636	.....
" 1937.....	155,468	143,468	.....	298,936
Grand Total 1938.....	1,247,324	495,407	1,742,731	.....
" 1937.....	1,228,534	456,857	.....	1,685,391
<i>COMMODITY GROUP</i>				
Agricultural.....	141,906	119,468	261,374	108,981
Animal.....	3,086	2,882	5,968	2,926
Mine.....	839,506	90,209	929,715	1,005,070
Forest.....	77,932	151,106	229,038	269,478
Manufactures and Miscellaneous.....	184,894	131,742	316,636	298,936
Total 1938.....	1,247,324	495,407	1,742,731	.....
" 1937.....	1,228,534	456,857	.....	1,685,391

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Quebec during the calendar year 1938, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	11,338	8,418	19,756
Coastwise.....	23,823	23,608	47,425
Total 1938.....	35,161	32,020	67,181
" 1937.....	43,003	36,226	79,229
" 1936.....	45,519	42,197	87,716
" 1935.....	44,233	39,381	83,614
" 1934.....	42,587	43,017	85,604

4. GRAIN ELEVATOR

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Quebec during the calendar year 1938, with comparisons for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	(Bush.)
Via water.....	4,584,134	4,093,935	8,678,069
Via rail.....	2,726,330	204,109	2,930,439
Via other.....	803	1,569,225	1,570,028
Total 1938.....	7,311,267	5,867,269	13,178,536
" 1937.....	1,996,461	3,289,725	5,286,186
" 1936.....	6,111,765	7,121,888	13,233,653
" 1935.....	4,250,016	3,239,667	7,489,683
" 1934.....	7,392,453	8,002,138	15,394,591

5. TERMINAL RAILWAY

Statement showing the number of railway cars handled by the National Harbours Board terminal railway at the harbour of Quebec during the calendar year 1938, with comparisons for 1937.

Classification	1938	1937
Received from connecting lines—		
1. Revenue cars.....	5,762	5,563
2. Non-revenue cars.....	4,111	5,884
3. Total.....	9,873	11,447
Delivered to connecting lines—		
1. Revenue cars.....	4,359	6,380
2. Non-revenue cars.....	5,482	5,052
3. Total.....	9,841	11,432
Switched locally—		
1. Revenue cars.....	418	479
2. Non-revenue cars.....	418	479
3. Total.....	836	958
Total—		
1. Revenue cars.....	10,539	12,422
2. Non-revenue cars.....	10,011	11,415
3. Total.....	20,550	23,837

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs required to keep the Board's facilities in good condition were carried on during 1938 to wharves, floating fenders, sheds, grain elevator system and equipment, cold storage warehouse and equipment, electric power system, water and drainage system, central heating plants, railway tracks and equipment, gates to Inner Basin, and railway and highway bridges. Sweeping operations were carried out by the C.G.S. *Detector* at Wolfe's Cove terminals and St. Charles river estuary, and obstructions found were removed. Also some dredging was carried out by harbour equipment at Custom Pond. A portion of steel structure of grain galleries and interior of head office were painted.

In addition the following major maintenance works, representing in some cases replacement, were carried out:—At the grain elevator, sidings of feeding galleries between elevator and shipping galleries, of the four galleries between the warehouse and the west annex, and of gantry loader 2, were renewed. At the cold storage plant, flashing of main warehouse was renewed and sections of brickwork of north wall repaired and renewed, cylinders of condenser 2 were rebored and piston rings fitted, also head welded, and an additional 3-inch water service installed direct to refrigerating plant. At shed 7 new flooring was built, flashing renewed, metal siding repaired and wiring renewed. At shed 19 sections of floor were renewed, wooden doors repaired and re-sheeted. At shed 14 foundation of the north section was renewed and repairs made to the doors. At shed "A", Wolfe's Cove, the doorsills of the lower floor on the shore side were painted. The 150-ton track scale was repaired, new floor beams and

ties were replaced, also the roof was renewed. The 50-ton floating crane and tug *Aviso* were docked and the hulls scraped, painted, and plates renewed. The 6-inch water main on the Louise Embankment was replaced by an 8-inch water main over a distance of 4,250 feet with connections to existing services and hydrants. A new 8-inch fuel oil pipeline was laid to serve berth 18.

CAPITAL WORKS

Pier No. 1, Princess Louise Docks.—The work of repairing and strengthening the west wall of pier 1, Princess Louise docks, and the construction of a freight shed, 520 feet long by 90 feet wide, under contract with A. Janin & Company, Limited, was completed. The electric wiring for the shed lighting and the laying of the fuel oil pipeline for the berth were carried out by harbour forces.

Reconstruction of St. Charles River Wharf and Shed 28.—A. Janin & Company, Limited, was awarded a contract in August, 1938, for the reconstruction of St. Charles River wharf and shed 28. Under this contract the grain shipping galleries over the old shed have been demolished and a portion of the shed structure and its roof removed. Tie rods have been installed to stabilize the wharf, and work on the re-erection of structural steel for the shed has been carried out. The work will be completed in the spring of 1939.

Sillery Sewer.—A contract was awarded to Clovis Beaudet in October, 1938, for the extension of Sillery Sewer on the harbour property to carry the discharge into the St. Lawrence River from the collecting sewer of the Municipality of Sillery. During the fall, excavation was carried on and about 430 feet of sewer built and backfilled. This work will be completed in the spring of 1939.

Sillery Wharf.—Extensive repairs were carried out by harbour forces to the Sillery Wharf at Pointe-à-Pizeau, consisting of replacing of decayed timber above low water level, new sheathing, and filling with stone and gravel to coping level.

Bascule Bridge.—Dominion Bridge Company, Limited, was awarded a contract in December, 1938, for the superstructure of a new highway bascule bridge over the entrance to the Inner Basin of Princess Louise docks to replace the old retractile type drawbridge which has been in operation since 1888. Work carried out under this contract during 1938 consisted of the demolishing of the old drawbridge. Work will be continued during the winter and the new bridge is to be ready for operation early in the spring of 1939.

REVENUES AND EXPENDITURES

Operating revenues in 1938 amounted to \$488,013, as compared with \$447,780 in 1937, an increase of \$40,233. Increased revenues were obtained from the operations of the grain elevator and cold storage plant.

Operating and maintenance expenses were \$537,316 as compared with \$572,335 in 1937, a reduction of \$35,019. After taking into account miscellaneous income credits and debits, and after payment of interest on debt to the public, there was a cash deficit of \$75,983 in 1938, as compared with a deficit of \$108,707 in 1937. The net income deficit in 1938, after charging reserve for replacements and interest due the Dominion Government, was \$1,459,699, as against \$1,485,362 in the previous year.

REDEMPTION OF DEBENTURES

On April 1, 1938, there matured \$400,000, 4% debentures, issued by the Quebec Harbour Commissioners for harbour works. These debentures were redeemed from moneys advanced to the Board by the Dominion Government with interest at $3\frac{1}{2}\%$ per annum.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES

Harbour General		
Harbour Dues.....	\$ 23,269 49	
Miscellaneous.....	11,614 38	
	<u>\$ 34,883 87</u>	
Wharves and Piers		
Top Wharfage.....	110,090 40	
Dockage.....	43,094 87	
Miscellaneous.....	25,739 08	
	<u>178,924 35</u>	
Permanent Sheds		
Shed Rentals.....	12,213 62	
Storage.....	11,286 73	
	<u>23,500 35</u>	
Shed Hoists.....		52 00
Railway System.....		50,970 20
Grain Elevator System		
Elevation.....	69,179 15	
Storage.....	26,287 21	
Miscellaneous.....	17,772 32	
	<u>113,238 68</u>	
Cold Storage System		
Storage.....	54,130 23	
Miscellaneous.....	11,483 90	
	<u>65,614 13</u>	
Miscellaneous—Outsiders.....		20,829 49
		<u>\$ 488,013 07</u>

OPERATING EXPENSES

Administration.....		77,177 05
Operation and Maintenance		
Harbour Dredging.....	1,843 57	
Harbour General.....	59,421 89	
Vehicular Bridges.....	5,234 51	
Roads, Fences and Boundaries.....	8,408 04	
Sewers and Drains.....	2,146 35	
Wharves and Piers.....	38,599 45	
Permanent Sheds.....	28,800 35	
Shed Hoists.....	119 11	
Railway System.....	70,281 38	
Grain Elevator System.....	111,323 58	
Cold Storage System.....	73,051 61	
Water Supply System.....	24,647 92	
Miscellaneous—Outsiders.....	18,162 74	
Departmental Services.....	18,098 72	
	<u>460,139 22</u>	
		<u>537,316 27</u>
Operating Deficit.....		<u>49,803 20</u>
INCOME RECEIVED FROM RESERVE FUNDS.....	425 83	
MISCELLANEOUS INCOME CREDITS.....	2,169 22	
		<u>2,595 05</u>
		<u>46,708 15</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income Received from Reserve Funds Transferred to Reserves.....	425 83	
Reserve for Bad Debts.....	106 85	
Miscellaneous Income Charges.....	8,742 37	
		<u>9,275 05</u>
Income available for Interest due Public.....		<u>55,983 20</u>
INTEREST ON DEBT TO THE PUBLIC.....		<u>20,000 00</u>
		<u>75,983 20</u>
OTHER INCOME REQUIREMENTS		
Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	1,183,716 11	
	<u>1,383,716 11</u>	
Net Income Deficit.....		<u>\$1,459,699 31</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include 3 main wharves having some 7,400 linear feet of berthing with a water depth of 30 feet alongside and 9 transit sheds with a total floor area of about 192,000 square feet.

TRAFFIC

The year 1938 was one of increased activity in the harbour, notwithstanding unfavourable conditions affecting certain local industries. Vessel arrivals totalled 2,945, as compared with 2,850 in 1937, although aggregate vessel tonnage was somewhat lower. Cargo tonnage was 2,861,545 tons, or 165,509 tons in excess of the figure of 2,696,036 recorded in 1937. An increase in receipts and shipments of grain more than offset decreases shown in inward movements of supplies for the newsprint industry, including coal, sulphur, pulpwood and clay.

Grain receipts at the elevator totalled 29,748,080 bushels, as compared with 19,257,659 bushels in the previous year.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Three Rivers during the calendar year 1938, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	2,945	2,196,976
Departures.....	2,943	2,197,810
Total 1938.....	5,888	4,394,786
“ 1937.....	5,697	4,727,463
“ 1936.....	4,180	3,743,548
“ 1935.....	5,458	3,309,890
“ 1934.....	4,240	3,503,502

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Three Rivers during the calendar year 1938 with comparisons for 1937.

Classification	1938		1937	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net. Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or oceangoing commercial.....	87	237,577	104	257,371
2. Coastal or inland.....	2,858	1,959,399	2,746	2,107,680
3. Fishery.....				
4. All others.....				
5. Total.....	2,945	2,196,976	2,850	2,365,051
<i>Departures—</i>				
1. Deepsea or oceangoing commercial.....	156	461,940	102	282,231
2. Coastal or inland.....	2,787	1,735,870	2,745	2,080,181
3. Fishery.....				
4. All others.....				
5. Total.....	2,943	2,197,810	2,847	2,362,412
Total Arrivals and Departures.....	5,888	4,394,786	5,697	4,727,463

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Three Rivers during the calendar year 1938, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	561,802	950,307	1,512,109
Domestic.....	1,338,547	10,889	1,349,436
Total 1938.....	1,900,349	961,196	2,861,545
" 1937.....	1,956,401	739,635	2,696,036
" 1936.....	1,210,773	383,851	1,594,624
" 1935.....	954,729	176,509	1,131,238
" 1934.....	879,261	164,477	1,043,738

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Three Rivers during the calendar year 1938, with comparisons for 1937, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Agricultural Products</i>				
1. Wheat.....	221,395	208,262	429,657	218,189
2. Corn.....	403,305	405,662	808,967	735,176
3. Oats.....	1,373	1,118	2,491	3,449
4. Barley.....	124,617	129,222	253,839	356
5. Rye.....	6,367	6,367	12,734	14,366
6. Flaxseed.....	7,397	8,308	15,705	125,703
7. Other Grain.....	17,951	25,702	43,653	.....
8. Flour.....	.....	.....	.....	302
9. Other Mill Products.....	.....	162	162	.....
10. Hay and Straw.....	.....	625	625	1,231
11. Cotton.....	.....	.....	.....	.....
12. Apples (fresh).....	35	.....	35	85
13. Other Fruit (fresh).....	.....	.....	.....	.....
14. Potatoes.....	.....	88	88	.....
15. Other Fresh Vegetables.....	.....	.....	.....	.....
16. Other Agricultural Products.....	.....	.....	.....	.....
Total 1938.....	782,440	785,516	1,567,956	.....
" 1937.....	544,593	554,314	.....	1,098,907
<i>Animal Products</i>				
17. Horses.....	.....	.....	.....	.....
18. Cattle and Calves.....	.....	.....	.....	.....
19. Sheep.....	.....	.....	.....	.....
20. Hogs.....	.....	.....	.....	.....
21. Dressed Meats (fresh).....	.....	.....	.....	.....
22. Dressed Meats (cured-salted-canned).....	.....	.....	.....	.....
23. Other Packing House Products (edible).....	.....	.....	.....	.....
24. Poultry.....	.....	.....	.....	.....
25. Eggs.....	.....	.....	.....	.....
26. Butter.....	.....	.....	.....	.....
27. Cheese.....	.....	.....	.....	.....
28. Wool.....	.....	.....	.....	.....
29. Hides and Leather.....	.....	.....	.....	.....
30. Other Animal Products (Non-edible).....	.....	.....	.....	.....
Total 1938.....	.....	.....	.....	.....
" 1937.....	.....	.....	.....	.....
<i>Mine Products</i>				
31. Anthracite Coal.....	18,349	.....	18,349	14,889
32. Bituminous Coal.....	272,922	.....	272,922	470,123
33. Lignite Coal.....	.....	.....	.....	.....
34. Coke.....	20,784	.....	20,784	19,402
35. Iron Ores.....	.....	.....	.....	599
36. Copper Ore and Concentrates.....	.....	.....	.....	.....
37. Other Ores and Concentrates.....	.....	.....	.....	.....
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	.....	.....	.....	.....
39. Sand and Gravel.....	1,003	.....	1,003	2,008
40. Stone (crushed, ground, broken).....	.....	.....	.....	.....
41. Slate, Dimension or Block Stone.....	.....	.....	.....	.....
42. Crude Petroleum.....	.....	.....	.....	.....
43. Asphalt (Natural, By-product Petroleum).....	.....	.....	.....	.....
44. Salt.....	9,899	.....	9,899	5,974
45. Other Mine Products.....	10,910	.....	10,910	63,564
Total 1938.....	333,867	.....	333,867	.....
" 1937.....	576,459	100	.....	576,559

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....				429
47. Cordwood and Other Firewood.....	534		534	
48. Ties.....				
49. Pulpwood.....	700,862		700,862	795,285
50. Lumber, Timber, Box, Crate and Cooperage Material.....	2,372	2,576	4,948	2,072
51. Other Forest Products.....				
Total 1938.....	703,768	2,576	706,344	
" 1937.....	796,411	1,375		797,786
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	16,196		16,196	10,140
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	30,238		30,238	2,057
54. Sugar.....		35	35	83
55. Iron, Pig and Bloom.....				
56. Rails and Fastenings.....				
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	32		32	97
58. Castings, Machinery and Boilers.....		190	190	804
59. Cement.....				394
60. Brick and Artificial Stone.....	65		65	260
61. Lime and Plaster.....				
62. Agricultural Implements and Vehicles other than Autos.....				18
63. Sewer Pipe and Drain Tile.....				22
64. Automobiles, Auto Trucks and Auto Parts.....				
65. Household Goods and Settlers' Effects.....				
66. Furniture.....				
67. Liquor Beverages.....				
68. Fertilizers, all kinds.....	5,400		5,400	25
69. Newsprint Paper.....		158,736	158,736	166,756
70. Other Paper.....	30		30	
71. Paper Board, Pulpboard and Wallboard (paper).....		68	68	34
72. Wood Pulp.....		112	112	
73. Fish (fresh, frozen, cured, etc.).....				
74. Canned Goods (all Canned Food Products except meats).....				
75. Other Manufactures and Miscellaneous.....	28,313	13,963	42,276	42,094
Total 1938.....	80,274	173,104	253,378	
" 1937.....	38,938	183,846		222,784
Grand Total 1938.....	1,900,349	961,196	2,861,545	
" 1937.....	1,956,401	739,635		2,696,036
<i>COMMODITY GROUP—</i>				
Agricultural.....	782,440	785,516	1,567,956	1,098,907
Animal.....				
Mine.....	333,867		333,867	576,559
Forest.....	703,768	2,576	706,344	797,786
Manufactures and Miscellaneous.....	80,274	173,104	253,378	222,784
Total 1938.....	1,900,349	961,196	2,861,545	
" 1937.....	1,956,401	739,635		2,696,036

3. GRAIN ELEVATOR

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Three Rivers during the calendar year 1938, with comparisons for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	(Bush.)
Via water.....	28,146,013	28,266,660	56,412,673
Via rail.....	1,600,484	50,537	1,651,021
Via other.....	1,583	85,114	86,697
Total 1938.....	29,748,080	28,402,311	58,150,391
" 1937.....	19,257,659	20,329,961	39,587,620
" 1936.....	7,879,426	6,510,389	14,389,815

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs required to keep the Board's facilities in good condition, which were carried on during 1938, consisted of the necessary repairs to and upkeep of the wharves, transit sheds, roadways and water supply system. The timber runway in section 12 was replaced by a concrete ramp from the slip to shed "I"; shed doors and windows were repaired; lighting and water systems were kept in good condition; life saving equipment was repaired and painted. A rockfill was placed on the south side of shed 3, where the sandfill was sliding under the shed.

As a major maintenance work, the basin was dredged to provide a draught of 34 feet at low water. A total of 43,186 cubic yards of material was removed by dredge "N.H.B. No. 6" rented from Montreal Harbour.

CAPITAL WORKS

Construction of Shed No. 4.—Work under contract entered into with Newton Construction Company, Limited, in September, 1937, for the construction of this shed was completed at the end of the year, work having been suspended from February to May on account of weather conditions. This shed, which is 480 feet long by 80 feet wide and designed for the storage of newsprint, was turned over to the lessee for occupation from January 1st, 1939.

Roads, etc.—Work under contract entered into with Page Equipment & Construction Company, Limited, for the paving of new road necessitated by the construction of shed No. 4 was completed. Installation of drainage pipes and relocation of electric standards were also completed during the summer.

REVENUES AND EXPENDITURES

Operating revenues in 1938 again registered a new high record, being \$191,881, as compared with \$172,310 in the previous year. Expenses were higher than in 1937 due to a comparatively large outlay for dredging. The total operating cost for 1938 was \$33,242, as compared with \$18,023 in 1937. The resulting operating income was \$158,639 in 1938, which showed an improvement over the figures for 1937 of \$4,352.

After payment of interest on debentures held by the public, and charging reserve for replacements and interest due the Dominion Government, a net income deficit of \$91,124 was shown for 1938. The corresponding deficit in the previous year was \$92,008.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUE			
Harbour General			
Harbour Dues.....	\$	8,812 17	
Miscellaneous.....		972 30	
		<hr/>	\$ 9,784 47
Wharves and Piers			
Top Wharfage.....		105,730 13	
Dockage.....		22,568 80	
Miscellaneous.....		24,120 58	
		<hr/>	152,419 51
Permanent Sheds			
Shed Rentals.....			28,276 38
Miscellaneous—Outsiders.....			1,400 59
			<hr/>
			\$ 191,880 95
OPERATING EXPENSES			
Administration.....			9,761 17
Operation and Maintenance			
Harbour Dredging.....		18,151 05	
Harbour General.....		2,497 81	
Roads, Fences and Boundaries.....		177 65	
Wharves and Piers.....		2 00	
Permanent Sheds.....		2,354 28	
Railway System.....		105 70	
Miscellaneous—Outsiders.....		192 14	
		<hr/>	23,480 63
			<hr/>
			33,241 80
Operating Income.....			<hr/>
			158,639 15
INCOME RECEIVED FROM RESERVE FUNDS.....			
			5,814 76
			<hr/>
Total Income.....			164,453 91
MISCELLANEOUS DEDUCTIONS FROM INCOME			
Income Received from Reserve Funds Transferred to Reserves.....		5,814 76	
Reserve for Bad Debts.....		400 00	
Miscellaneous Income Charges.....		121 53	
		<hr/>	6,336 29
Income Available for Interest due Public.....			<hr/>
			158,117 62
INTEREST ON DEBT TO THE PUBLIC.....			
			8,712 00
			<hr/>
			149,405 62
OTHER INCOME REQUIREMENTS			
Reserve for Replacements.....		70,000 00	
Interest due Dominion Government.....		170,529 65	
		<hr/>	240,529 65
Net Income Deficit.....			<hr/>
	\$		91,124 03

Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1938

ASSETS

FIXED	
Real Estate.....	\$ 1,204,777 00
Roads, Fences and Boundaries.....	40,586 98
Wharves and Piers.....	5,780,436 39
Permanent Sheds.....	553,477 44
Railway System.....	26,611 43
Office Furniture and Appliances.....	2,311 67
Electric Power System.....	11,512 44
Miscellaneous Small Plant.....	4,062 98
Work under Construction.....	276,705 05
	<hr/>
	7,900,481 38
CURRENT	
Cash-Receiver General of Canada.....	64,718 24
Cash in Bank-Compon Account.....	30 25
Accounts Receivable.....	\$ 4,010 12
Less—Reserve for Bad Debts.....	400 00
	<hr/>
Advances due on Capital Account.....	3,610 12
Stores on Hand.....	433 97
	<hr/>
	254 10

SECURITY DEPOSITS.....	27,260 00
REPLACEMENT FUND.....	215,683 28
FIRE AND GENERAL INSURANCE FUND.....	8,284 75
PREPAID CHARGES.....	3 00
DEFERRED DEBTS.....	1,795 14

\$	8,222,564 23
	<hr/>
\$	8,222,564 23

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$ 158,400 00
DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest bearing).....	\$ 3,751,269 71
Expenditure under Appropriations.....	590,857 27
Government Loans Applied For—Contra.....	433 97
	<hr/>
	4,342,560 95
ACCOUNTS PAYABLE—CONSTRUCTION.....	50,836 12
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	19,922 81
CURRENT	
Accounts Payable.....	18,193 19
Matured Interest Unpaid	
Due Public.....	\$ 30 25
Due Dominion Gov't.....	864,972 57
	<hr/>
Accrued Interest due Public.....	876,002 82
	<hr/>
	4,332 58
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	27,260 00
RESERVES	
Replacement.....	215,683 28
Fire and General Insurance.....	8,284 75
	<hr/>
DEFERRED CREDITS.....	223,978 03
	<hr/>
	15,387 78
	<hr/>
	5,725,874 28
SURPLUS AND DEFICIT ACCOUNT	
Surplus as at December 31, 1937.....	2,587,808 00
Adjustments in 1938.....	5 98
	<hr/>
	2,587,813 98
Deduct:	
Net Income Deficit for 1938.....	91,124 03
	<hr/>
	2,496,689 95
	<hr/>
\$	8,222,564 23

HARBOUR OF MONTREAL

The harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast, and is reached by ocean shipping through a dredged channel having a minimum depth of 30 feet, now being completed to 35 feet. It is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates 28 main piers, wharves and jetties having over 10 miles of berthing, 28 transit sheds with an aggregate floor area of over 2,015,000 square feet; also, four grain elevators with a total storage capacity of over 15,000,000 bushels and $3\frac{1}{2}$ miles of conveyor galleries, and a cold storage warehouse with a capacity of 4,628,000 cubic feet. A 75 ton capacity floating crane and several locomotive track cranes are available.

TRAFFIC

Total cargo tonnage handled through the harbour during 1938 amounted to 16,700,384 tons and showed an increase of 330,750 tons over the figures for 1937, establishing a new high record. Inward cargo movement showed a slight decrease from the level of the previous year but this was offset by an increase of 343,315 tons in the outward movement. Large increases were registered in the inward cargo of crude petroleum, gasoline and coal.

The number and tonnage of vessels which arrived at the harbour in 1938 also showed a considerable increase over the previous year, particularly in the case of coastal and inland vessels. The total was 5,729 vessels, with net registered tonnage of 8,589,519, as compared with 4,985 vessels in 1937, having an aggregate tonnage of 8,204,293.

Grain receipts at the elevators recorded a total of over 99,900,000 bushels, exceeding the handlings in any year since 1932. Quantities of goods handled at the cold storage warehouse reached the highest figure since 1929. Traffic over the terminal railway fell off slightly, the decrease from the 1937 figures being about one-half of one per cent.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Montreal during the calendar year 1938, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	5,729	8,589,519
Departures.....	5,745	8,545,162
Total 1938.....	11,474	17,134,681
“ 1937.....	9,965	16,389,758
“ 1936.....	12,906	19,089,394
“ 1935.....	11,476	17,032,177
“ 1934.....	11,065	16,589,331

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Montreal during the calendar year 1938 with comparisons for 1937.

Classification	1938		1937	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	1,133	4,473,961	1,063	4,317,285
2. Coastal or inland.....	4,589	4,105,296	3,875	3,859,796
3. Fishery.....				
4. All others.....	7	10,262	47	27,212
5. Total.....	5,729	8,589,519	4,985	8,204,293
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	1,144	4,492,851	1,080	4,346,841
2. Coastal or inland.....	4,594	4,042,049	3,853	3,811,412
3. Fishery.....				
4. All others.....	7	10,262	47	27,212
5. Total.....	5,745	8,545,162	4,980	8,185,465
Total Arrivals and Departures.....	11,474	17,134,681	9,965	16,389,758

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Montreal during the calendar year 1938, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	7,889,672	4,369,476	12,259,148
Domestic.....	2,171,286	2,269,950	4,441,236
Total 1938.....	10,060,958	6,639,426	16,700,384
" 1937.....	10,073,523	6,296,111	16,369,634
" 1936.....	9,697,737	5,840,975	15,538,712
" 1935.....	8,951,344	4,896,156	13,847,500

(Comparative figures for 1934 not available.)

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Montreal during the calendar year 1938, with comparisons for 1937, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
<i>Agricultural Products</i>	(Tons)	(Tons)	(Tons)	(Tons)
1. Wheat.....	1,397,265	1,456,752	2,854,017	2,739,199
2. Corn.....	524,275	628,810	1,153,085	1,182,715
3. Oats.....	88,197	75,206	163,403	131,009
4. Barley.....	310,744	304,312	615,056	514,374
5. Rye.....	52,604	66,274	118,878	203,652
6. Flaxseed.....	32,495	13,891	46,386	95,269
7. Other Grain.....	23,041	28,889	51,930	65,554
8. Flour.....	34,045	200,075	234,120	253,773
9. Other Mill Products.....	6,609	114,905	121,514	97,642
10. Hay and Straw.....	45	37,520	37,565	25,007
11. Cotton.....	1,376	520	1,896	2,263
12. Apples (fresh).....	.....	36,543	36,543	49,921
13. Other Fruit (fresh).....	35,504	22,793	58,297	65,422
14. Potatoes.....	1,537	.....	1,537	3,962
15. Other Fresh Vegetables.....	1,690	1,509	3,199	2,855
16. Other Agricultural Products.....	145,933	42,387	188,320	194,758
Total 1938.....	2,655,410	3,030,386	5,685,796	.....
" 1937.....	2,866,280	2,761,095	.....	5,627,375
<i>Animal Products</i>				
17. Horses.....	46	111	157	358
18. Cattle and Calves.....	.....	7,040	7,040	4,434
19. Sheep.....	.....	.....	.....	.....
20. Hogs.....	.....	.....	.....	.....
21. Dressed Meats (fresh).....	82	3,269	3,351	5,703
22. Dressed Meats (cured-salted-canned).....	3,467	67,667	71,134	74,145
23. Other Packing House Products (edible).....	2,531	34,359	36,890	34,064
24. Poultry.....	5	188	193	337
25. Eggs.....	.....	1,653	1,653	2,782
26. Butter.....	.....	2,297	2,297	1,995
27. Cheese.....	518	40,543	41,061	43,487
28. Wool.....	6,955	1,067	8,022	9,569
29. Hides and Leather.....	1,930	1,993	3,923	7,339
30. Other Animal Products (Non-edible).....	13,207	3,849	17,056	15,421
Total 1938.....	28,741	164,036	192,777	.....
" 1937.....	34,173	165,461	.....	199,634
<i>Mine Products</i>				
31. Anthracite Coal.....	1,428,641	253,185	1,681,826	1,449,865
32. Bituminous Coal.....	1,947,550	166,591	2,114,141	2,258,292
33. Lignite Coal.....	.....	.....	.....	.....
34. Coke.....	.....	224	224	84
35. Iron Ores.....	72,745	72,738	145,483	111,826
36. Copper Ore and Concentrates.....	.....	.....	.....	.....
37. Other Ores and Concentrates.....	20,259	11,596	31,855	43,262
38. Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	3,497	206,270	209,767	194,269
39. Sand and Gravel.....	40,334	871	41,205	28,087
40. Stone (crushed, ground, broken).....	.....	404	404	556
41. Slate, Dimension or Block Stone.....	3,532	46	3,578	5,203
42. Crude Petroleum.....	2,388,528	235,678	2,624,206	2,424,429
43. Asphalt (Natural, By-product Petroleum).....	145	37	182	299
44. Salt.....	16,357	4,425	20,782	25,879
45. Other Mine Products.....	84,696	38,783	123,479	157,547
Total 1938.....	6,006,284	990,848	6,997,132	.....
" 1937.....	5,770,784	928,814	.....	6,699,598

CARGO TONNAGE BY COMMODITIES—*Concluded*

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....				314
47. Cordwood and Other Firewood.....				55
48. Ties.....				
49. Pulpwood.....				
50. Lumber, Timber, Box, Crate and Cooperage Material.....	51,480	82,768	134,248	80,055
51. Other Forest Products.....	18,383	7,360	25,743	48,477
Total 1938.....	69,863	90,128	159,991	
" 1937.....	35,766	93,135		128,901
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	285,958	732,635	1,018,593	746,738
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	80,026	593,356	673,382	580,093
54. Sugar.....	287,602	67,986	355,588	267,771
55. Iron, Pig and Bloom.....	5,972	1,611	7,583	121,771
56. Rails and Fastenings.....	71	45,465	45,536	818
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	33,229	63,710	96,939	134,701
58. Castings, Machinery and Boilers.....	12,319	9,677	21,996	24,389
59. Cement.....	4,965	102,727	107,692	99,156
60. Brick and Artificial Stone.....	7,442	368	7,810	13,712
61. Lime and Plaster.....	414	2,436	2,850	1,972
62. Agricultural Implements and Vehicles other than Autos.....	5,989	13,040	19,029	28,573
63. Sewer Pipe and Drain Tile.....	1,607	68	1,675	1,755
64. Automobiles, Auto Trucks and Auto Parts.....	1,502	80,503	82,005	146,999
65. Household Goods and Settlers' Effects.....	25,563	16,879	42,442	57,775
66. Furniture.....	3,119	3,138	6,257	6,380
67. Liquor Beverages.....	11,966	1,349	13,315	15,982
68. Fertilizers, all kinds.....	17,512	12,835	30,347	57,072
69. Newsprint Paper.....	19	49,037	49,056	53,455
70. Other Paper.....	4,750	7,086	11,836	15,249
71. Paper Board, Pulpboard and Wallboard (paper)..<	840	26,367	27,207	39,711
72. Wood Pulp.....	180,777	197,743	378,520	505,430
73. Fish (fresh, frozen, cured, etc.).....	1,833	1,431	3,264	3,782
74. Canned Goods (all Canned Food Products except meats).....	34,385	68,745	103,130	91,600
75. Other Manufactures and Miscellaneous.....	292,800	265,836	558,636	699,242
Total 1938.....	1,300,660	2,364,028	3,664,688	
" 1937.....	1,366,520	2,347,606		3,714,126
Grand Total 1938.....	10,060,958	6,639,426	16,700,384	
" 1937.....	10,073,523	6,296,111		16,369,634
<i>COMMODITY GROUP</i>				
Agricultural.....	2,655,410	3,030,386	5,685,796	5,627,375
Animal.....	28,741	164,036	192,777	199,634
Mine.....	6,006,284	990,848	6,997,132	6,699,598
Forest.....	69,863	90,128	159,991	128,901
Manufactures and Miscellaneous.....	1,300,660	2,364,028	3,664,688	3,714,126
Total 1938.....	10,060,958	6,639,426	16,700,384	
" 1937.....	10,073,523	6,296,111		16,369,634

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Montreal during the calendar year 1938, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	34,893	32,722	67,615
Coastwise.....	41,502	44,812	86,314
Total 1938.....	76,395	77,534	153,929
“ 1937.....	83,891	81,130	165,021
“ 1936.....	100,175	98,664	198,839
“ 1935.....	83,841	82,573	166,414
“ 1934.....	80,322	79,147	159,469

4. GRAIN ELEVATORS

Statement showing the total quantity of grain handled at the terminal elevators at the harbour of Montreal during the calendar year 1938, with comparisons for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	(Bush.)
Via water.....	87,248,649	91,417,493	178,666,142
Via rail.....	12,625,257	4,764,613	17,389,870
Via other.....	37,236	3,133,554	3,170,790
Total 1938.....	99,911,142	99,315,660	199,226,802
“ 1937.....	94,190,857	92,666,580	186,857,437
“ 1936.....	79,404,903	87,116,340	166,521,243
“ 1935.....	65,080,829	63,283,084	128,363,913
“ 1934.....	58,749,934	56,374,541	115,124,475

5. TERMINAL RAILWAY

Statement showing the number of railway cars handled by the National Harbours Board terminal railway at the harbour of Montreal during the calendar year 1938, with comparisons for 1937.

Classification	1938	1937
Received from connecting lines		
1. Revenue cars.....	61,305	58,000
2. Non-revenue cars.....	36,252	39,742
3. Total.....	97,557	97,742
Delivered to connecting lines		
1. Revenue cars.....	44,952	52,570
2. Non-revenue cars.....	52,393	45,310
3. Total.....	97,345	97,880
Switched locally		
1. Revenue cars.....	1,278	1,299
2. Non-revenue cars.....	3,796	4,205
3. Total.....	5,074	5,504
Total		
1. Revenue cars.....	107,535	111,869
2. Non-revenue cars.....	92,441	89,257
3. Total.....	199,976	201,126

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary inspection, maintenance and repairs were carried out during 1938 to berths, wharves and piers, sheds and their equipment, harbour buildings, grain elevator system, cold storage warehouses, terminal railway system tracks and equipment, roadways, sewage system, heating plants, electric power and water supply systems, shore and floating equipment, and all facilities were maintained in good condition.

Berths at Alexandra, King Edward, Jacques Cartier, Tarte and Sutherland piers, at British American, Shell, Sun, Imperial and McColl-Frontenac oil wharves and alongside sheds 2, 13 and 15 were dredged and cleaned up. Running repairs were made to wharves and piers, including fenders and fittings. Shed floors, siding, doors, windows and roofs were repaired, shed hoists overhauled, and necessary repairs and renovations made to the various administration buildings.

Grain elevators and conveyor buildings and equipment were repaired and overhauled, new belts installed, scales tested, and electric wiring renewed. Cold storage buildings and equipment were overhauled and repaired and new tubes installed in one condenser. Tracks, rolling stock, roundhouse buildings and equipment, overhead power supply system and bridges and culverts of the terminal railway were overhauled, repaired and necessary replacements made. Ties, rails and switches were renewed, and tracks graded and ballasted. Cars and snow removal equipment were repaired. Overhead power system anchorages were adjusted, wires greased, insulators cleaned, switches reconditioned and some of pole bases replaced in concrete. The steelwork of two subway bridges

was painted and that of an abandoned subway removed. The electrical substation and transformer buildings and equipment were repaired and overhauled.

Roadways were repaired, cleaned and watered and snow removed as required and fences repaired. The drainage and sewage systems were maintained in operation, and the sewer from shed 26 and a latrine in section 16 were rebuilt. The harbour lighting, and water supply systems were repaired, fire hydrants, fire protection equipment and life saving equipment were inspected and overhauled and necessary fire hose replacements made. Buildings and equipment of heating plants were overhauled and repaired. Tugs, scows, dredge and floating crane and derricks, locomotive cranes, trucks and other equipment were repaired and overhauled. The machine shop and ship repair yard buildings and equipment were repaired and overhauled as plant repairs permitted.

Major maintenance works done during 1938 consisted of the replacement of a section of the timber face on the downstream side of Jacques Cartier pier; the painting of the interiors of sheds 4, 5 and 17 and exteriors of sheds 12, 13, 14 and 16; the resurfacing of the lower floor of shed 5 and installation of connections for cargo handling equipment shed 16; the renewal of the wiring in the signal system of elevator 1 and the power feeders to elevator 2; the remodelling of the tunnel conveyor drive at elevator 3; the painting of car dumper house, storage bins and marine towers of elevator B; the overhaul and renewal of equipment on steam locomotives 201, 301, 302 and 303 and electric locomotives 101 and 105; the renewal of two turnouts, 400 feet of track, 1,200 square yards of granite paving blocks and sections of the terminal railway embankments, damaged by ice; the replacement of a 60-cell battery for substation 4 and one police motorcycle and two trucks of the shore equipment as well as the painting and replacement of hull plating on the heavy lift floating crane.

CAPITAL WORKS

Alexandra Pier—Downstream Side.—Under the contract entered into in 1937 with the Foundation Company of Canada, Limited, further work was carried on from the beginning of January until the end of April, 1938, when the work was completed and this pier made available to shipping. In the above period cylinder sinking, installation of tie rods, construction of concrete anchor blocks, bulkhead and cope wall, replacement of bituminous concrete floor in pier sheds, together with the required final back-filling were carried on.

Extension Shed 5—Alexandra Pier.—Under the contract entered into in 1937 with L. G. Ogilvie & Company, Limited, further work was carried on from February until August, 1938, when all work was completed and the 158-foot shed addition turned over for operation. Two railway tracks were extended alongside the new shed and the area of the pier for the length of the shed extension paved with granite blocks.

Reconstruction and Extension Imperial Oil Wharf.—Work on this contract, entered into with the Northern Construction Company and J. W. Stewart Limited, in 1936, was completed in August, 1938, and provided a wharf with an over-all length of 959 feet.

Raising Wharf Sections 46-49.—In order to permit the raising of the wharf area in rear of Sutherland pier extension by filling, two existing city sewers required diversion and extension through the area to be filled. In August, 1938, a contract was entered into with E. G. M. Cape & Company Limited, for the construction of the 10-foot and 4-foot 10-inch diameter sewer extensions and dyking necessary to retain the proposed fill. At the end of December, 1938, all contract work was completed and approximately 51,000 cubic yards of filling was in place from adjacent harbour dredging operations. The balance of the fill will be placed in 1939.

Driveway and Water Service to Wharf Sections 56-58.—Under a contract entered into with A. Janin Paving Company, Limited, in July, 1938, a 20-foot paved roadway and a 10-inch watermain were built to provide a roadway connection and water service to existing wharves in sections 56-58. This work was completed and the Board's property fenced in August, 1938.

Strengthening Wharf—Sections 30-31.—In order to overcome movement and to stabilize the marginal wharf at sections 30 and 31 and provide for the construction thereon of a transit shed, a contract with L. G. Ogilvie & Company, Limited, was entered into in August, 1938, covering the installation of a system of anchorages for the wharf face and a steel pile foundation for the proposed shed. Work was started in August and continued to the end of 1938 when weather conditions necessitated work being discontinued for the winter with only a small amount of concrete and filling to be finished. This remaining work will be done in the spring of 1939.

Reconstruction Upper End Windmill Point Basin.—The unsafe condition of the cribwork and culvert carrying tracks and roadway around the upper end of Windmill Point basin necessitated a contract being entered into in November, 1938, with Messrs. Duranceau & Duranceau for the construction of concrete cribs, a concrete retaining wall and box culvert, together with back-fill for roadway embankment required to restore the original structure at this point. Concrete work was completed at the end of 1938 and the remaining work will be finished early in 1939.

Provisory Surfacing Sutherland Pier.—The surfacing of the upstream side of Sutherland pier with crushed stone and screenings on the filling placed in 1937 was carried on and completed by the Board's forces in May, 1938, ready for the placing of permanent pavement.

Work by Montreal Harbour Floating Equipment.—During 1938 the Board's dredging equipment completed the drilling, blasting and dredging of berths 130 feet wide and with an over-all length of 1,490 feet to 32 feet below elevation 94.58, harbour datum, along the west side of Windmill Point basin, and deepened the berths on the upstream side of Alexandra pier and alongside the Imperial Oil wharf to 35 feet. The material removed in the above operations was used to fill wharf areas and to protect wharf structures against scour.

Berthing Area for Storage of Coal, Section 60-61.—In order to provide additional suitable space for the storage of coal on Board property, an area of about 75,000 square feet, directly upstream from Racine wharf, was filled and graded under contract with A. Janin Paving Company, Limited. As soon as this work was completed the area was leased and coal stored thereon.

REVENUES AND EXPENDITURES

Operating revenues in 1938 totalled \$4,917,837, as compared with \$4,377,351 in 1937, the increase being \$540,486. Operating and maintenance expenses were \$2,095,656, showing a decrease of \$41,144 from the expenditure of \$2,136,800 recorded in 1937. The net improvement over the previous year on operating account was, therefore, \$581,630. After taking into account miscellaneous income credits and debits, and charging reserve for replacements and interest due the Dominion Government, a net income deficit was shown for 1938 of \$521,346, which compares with a deficit of \$1,066,515 shown by the accounts for the previous year.

Apart from additional revenues obtained from harbour dues and dockage and revised top wharfage charges, the financial position of the harbour was benefited by higher earnings derived from the grain elevators and cold storage plant. The terminal railway system's earnings were somewhat lower than in 1937.

The figures given above exclude the operation of the Jacques Cartier Bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES		
Harbour General		
Harbour Dues.....	\$ 44,743 79	
Miscellaneous.....	20,481 77	
	<hr/>	\$ 65,225 56
Wharves and Piers		
Top Wharfage.....	1,914,072 05	
Dockage.....	346,640 59	
Miscellaneous.....	270,068 98	
	<hr/>	2,530,781 62
Permanent Sheds		
Shed Rentals.....	244,083 45	
Storage.....	5,858 27	
Miscellaneous.....	8,825 71	
	<hr/>	258,767 43
Shed Hoists.....		26,488 70
Railway System.....		434,035 01
Grain Elevator System		
Elevation.....	1,024,385 66	
Storage.....	197,581 07	
Miscellaneous.....	36,138 05	
	<hr/>	1,258,104 78
Cold Storage System		
Storage.....	132,797 13	
Miscellaneous.....	10,872 07	
	<hr/>	143,669 20
Miscellaneous—Outsiders.....		200,764 30
		<hr/>
		\$ 4,917,836 60
OPERATING EXPENSES		
Administration.....		246,334 24
Operation and Maintenance		
Harbour Dredging.....	31,383 00	
Harbour General.....	178,016 89	
Roads, Fences and Boundaries.....	34,940 13	
Sewers and Drains.....	4,217 82	
Wharves and Piers.....	73,457 34	
Permanent Sheds.....	80,008 37	
Shed Hoists.....	16,403 39	
Railway System.....	405,318 73	
Grain Elevator System.....	651,429 98	
Cold Storage System.....	164,119 43	
Miscellaneous—Outsiders.....	194,829 20	
Departmental Services.....	15,197 05	
	<hr/>	1,849,321 33
		<hr/>
		2,095,655 57
Operating Income.....		2,822,181 03
INCOME RECEIVED FROM RESERVE FUNDS.....	55,393 43	
MISCELLANEOUS INCOME CREDITS.....	6,247 57	
	<hr/>	61,641 00
Total Income.....		2,883,822 03
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income Received from Reserve Funds Transferred to Reserves.....	55,393 43	
Reserve for Bad Debts.....	1,838 69	
Miscellaneous Income Charges.....	3,729 11	
	<hr/>	60,961 23
		<hr/>
		2,822,860 80
OTHER INCOME REQUIREMENTS		
Reserve for Replacements.....	758,668 44	
Interest due Dominion Government.....	2,585,538 60	
	<hr/>	3,344,207 04
Net Income Deficit.....		<hr/>
		\$ 521,346, 24

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1938

(Excluding Jacques Cartier Bridge)

HARBOUR OF MONTREAL

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ASSETS

FIXED	
Harbour Dredging.....	\$ 5,553,955 42
Real Estate.....	2,205,788 45
Roads, Fences and Boundaries.....	776,768 25
Sewers and Drains.....	62,005 02
Miscellaneous Structures.....	378,153 81
Wharves and Piers.....	23,629,060 07
Permanent Sheds.....	6,740,322 40
Shed Hoists.....	203,988 72
Railway System.....	5,431,655 32
Grain Elevator System.....	15,933,854 06
Cold Storage System.....	3,011,833 41
Office Furniture and Appliances.....	26,307 81
Harbour Buildings.....	288,228 46
Central Heating Plants.....	29,738 75
Harbour Shops.....	285,676 44
Electric Power System.....	1,215,070 35
Water Supply System.....	163,519 21
Floating Equipment.....	738,567 05
Shore Equipment.....	191,106 30
Work under Construction.....	423,125 23
	<u>\$ 67,288,723 33</u>

CURRENT

Cash—Receiver General of Canada.....	799,520 18
Accounts Receivable.....	\$ 339,995 93
Less—Reserve for Bad Debts.....	2,053 35
	<u>337,942 88</u>
Advances due on Capital Account.....	15,632 12
Stores on Hand.....	184,421 39
Accrued Revenue.....	27,868 64
	<u>1,365,384 91</u>

SECURITY DEPOSITS.....	92,050 00
REPLACEMENT FUND.....	1,929,479 04
FIRE AND GENERAL INSURANCE FUND.....	155,461 65
MISCELLANEOUS FUNDS.....	87,200 24
PREPAID CHARGES.....	17,413 07
DEFERRED DEBITS.....	13,925 13
	<u>\$ 70,949,637 37</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest bearing).....	\$ 60,800,278 60
Expenditure under Appropriations.....	4,371,228 51
Government Loans Applied For—Contra.....	15,632 12
	<u>\$ 65,187,139 23</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	85,907 83
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	28,901 29
CURRENT	
Accounts Payable.....	40,391 19
Matured Interest Unpaid.....	
Due Dominion Government.....	6,329,740 53
Unclaimed Wages.....	153 91
	<u>6,370,285 63</u>
CONTRACTORS SECURITY DEPOSITS—CONTRA.....	92,050 00
RESERVES	
Replacement.....	1,901,700 67
Fire and General Insurance.....	155,461 65
Miscellaneous.....	87,200 24
	<u>2,144,362 56</u>
DEFERRED CREDITS.....	93,598 15
	<u>74,002,244 69</u>

SURPLUS AND DEFICIT ACCOUNT	
Deficit as at December 31, 1937.....	2,640,465 58
Net Income Deficit for 1938.....	521,346 24
	<u>3,161,811 82</u>
Deduct	
Adjustments in 1938.....	109,204 50
	<u>\$ 3,052,607 32</u>

\$ 70,949,637 37

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge at the harbour of Montreal during the calendar year 1938, with comparisons for 1937.

Classification	1938	1937
	Revenue Passages	Revenue Passages
Passengers in vehicles.....	5,215,538	4,404,080
Automobiles (passenger).....	1,575,867	1,441,288
Trucks.....	290,270	281,268
Buses.....	21,000	17,200
All others.....	21,371	24,386
Total.....	7,124,046	6,168,222

REVENUES AND EXPENDITURES

Revenues derived from the operation of Jacques Cartier bridge in 1938 showed a further improvement, having amounted to \$445,945, as compared with \$423,786 in 1937, an increase of \$22,159. Operating and maintenance expenditures totalled \$91,785, the corresponding figures in 1937 having been \$84,550, the increase being attributable to increased outlay for maintenance. After provision for interest on bonds held by the public and other income charges, there was a net income deficit for the year of \$999,052, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and the City of Montreal. The income deficit in 1937 was \$993,480.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES		
Bridge Tolls.....	\$ 444,643 07	
Sundry Receipts.....	1,301 55	
		\$ 445,944 62
OPERATING EXPENSES		
Administration.....	21,733 83	
Operation.....	51,956 70	
Maintenance.....	18,094 64	
		91,785 17
Operating Income.....		354,159 45
INCOME RECEIVED FROM RESERVE FUNDS.....	6,487 53	
MISCELLANEOUS INCOME CREDITS.....	301 74	
		6,789 27
Total Income.....		360,948 72
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income received from Reserve Funds Transferred to Reserves.....	6,487 53	
Reserve for Bad Debts.....	205 49	
Trustees' Fees, Commissions, etc.....	15,240 98	
Bond Discount.....	8,846 16	
		30,780 16
Income Available for Interest due Public.....		330,168 56
INTEREST ON DEBT TO THE PUBLIC.....		950,000 00
OTHER INCOME REQUIREMENTS		619,831 44
Reserve for Replacements.....	42,600 00	
Reserve for Depreciation.....	166,164 00	
Interest due Dominion Government.....	170,456 09	
		379,220 09
Deduct		999,051 53
Proportion of Deficit Payable by:		
Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
		300,000 00
Net Income Deficit.....		\$ 699,051 53

BALANCE SHEET AS AT DECEMBER 31, 1938

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ASSETS		LIABILITIES	
Fixed		Debt	
Bridge Structure, Right-of-Way, etc.	\$ 18,049,249 19	Forty-year 5% First Mortgage Guaranteed Gold Bonds, Maturing 1st November, 1969.	\$ 19,000,000 00
Current		Dominion Government Account	
Cash—Receiver General of Canada.	\$ 35,324 14	Advances to meet interest on Bonds.	3,671,675 00
Cash on Hand.	549 20	Current	
Cash in Bank—Coupon Account.	15,325 00	Accounts Payable.	\$ 7,740 83
Accounts Receivable.	\$ 51,198 34	Matured Interest Due Dominion Government.	784,093 53
Prov. of Quebec	4,021 19	Matured Interest Due Public—Contra.	15,325 00
On Account of Deficit.	150,000 00	Accrued Interest Due Public.	158,333 34
City of Montreal		Reserves	
On Account of Deficit.	304,021 19	Replacement—General.	152,601 87
Stores on Hand.	780 60	Replacement—Painting.	89,364 96
		Depreciation.	1,168,148 00
	356,000 13	Deferred Credits.	138 35
			25,042,420 88
Replacement Fund.	241,966 83	Surplus and Deficit Account	
Miscellaneous Funds.	3,517 85	Deficit as at December 31, 1937.	4,819,028 50
Bond Discount Suspense Account.	272,757 30	Net Income Deficit for 1938.	699,051 53
Prepaid Charges.	2,926 65		5,518,080 03
		Deduct	
		Adjustments in 1938.	2,077 10
	\$ 19,526,417 95		\$ 19,526,417 95

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with 5,500,000 bushel storage capacity with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and an adjoining railway yard having trackage for 1,200 cars.

TRAFFIC

Receipts of grain in 1938 were 8,445,600 bushels, as compared with 5,958,806 bushels in 1937. Shipments amounted to 5,326,100 bushels, as against 6,243,266 bushels in the previous year. At the close of the year 3,314,522 bushels were in store, as compared with 195,111 at the end of 1937.

PRESCOTT GRAIN ELEVATOR

Statement showing the total quantity of grain handled at Prescott elevator during the calendar year 1938, with comparisons for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	(Bush.)
Via water.....	8,431,707	5,032,355	13,464,062
Via rail.....	13,893	182,366	196,259
Via other.....		111,379	111,379
Total 1938.....	8,445,600	5,326,100	13,771,700
" 1937.....	5,958,806	6,243,266	12,202,072
" 1936.....	5,630,480	10,132,858	15,763,338
" 1935.....	8,843,331	4,093,882	12,937,213
" 1934.....	6,556,227	7,068,782	13,625,009

MAINTENANCE WORKS

Ordinary maintenance and repairs necessary for proper operation of the Board's facilities were made during 1938 to the following: electrical equipment, marine towers and shovel gear, lofters, conveyors, vessel and car loading spouts, railway trackage, and main roof.

REVENUES AND EXPENDITURES

While the position was materially improved in 1938, as compared with 1937, this facility again failed to defray its operating cost. Operating revenues in 1938 amounted to \$68,989, as compared with \$57,257 in 1937, an increase of \$11,732. Operating and maintenance expenditures were \$75,204, and showed a reduction of \$6,685 from the amount expended in 1937. Without taking into consideration interest or depreciation, the net loss in 1938 was \$7,447, as compared with a deficit of \$23,858 in 1937.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES			
Harbour General			
Miscellaneous.....	\$	164	50
Wharves and Piers			
Top Wharfage.....		5,969	85
Grain Elevator System			
Elevation.....	\$	44,442	99
Storage.....		15,651	47
Miscellaneous.....		2,760	62
		<u>62,855</u>	<u>08</u>
			\$ 68,989 43
OPERATING EXPENSES			
Administration.....		12,063	54
Operation and Maintenance			
Grain Elevator System.....		63,140	64
		<u>75,204</u>	<u>18</u>
Operating Deficit.....			6,214 75
MISCELLANEOUS INCOME CREDITS.....			175 76
			<u>6,038 99</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME			
Miscellaneous Income Charges.....			1,408 19
			<u>7,447 18</u>
Net Income Deficit.....	\$		

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1938

ASSETS

FIXED	
Wharves and Piers.....	\$ 961,260 01
Railway System.....	373,248 47
Grain Elevator System.....	3,687,449 72
Office Furniture and Appliances.....	4,566 24
Miscellaneous Small Plant.....	2,905 32
	<u>\$ 5,029,429 76</u>
CURRENT	
Cash—Receiver General of Canada.....	\$ 2,557 68
Cash on Hand.....	3,706 44
	<u>6,264 12</u>
Accounts Receivable.....	3,448 41
Less—Reserve for Bad Debts.....	<u>1,500 00</u>
	1,948 41
Advances due on Deficit Account.....	7,447 18
Stores on Hand.....	7,077 87
Accrued Revenue.....	<u>11,744 75</u>
	34,482 33
PREPAID CHARGES.....	398 88
	<u>\$ 5,064,310 97</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Expenditure under Appropriations.....	\$ 5,020,904 20
CURRENT	
Working Capital Advances.....	\$ 12,000 00
Accounts Payable.....	1,889 64
Salaries and Wages Payable.....	<u>25 00</u>
	13,915 24
DEFERRED CREDITS.....	<u>52 61</u>
	5,034,872 05
SURPLUS AND DEFICIT ACCOUNT	
Deficit as at December 31, 1937..	\$ 3,396 09
Net Income Deficit for 1938...	<u>7,447 18</u>
	10,843 27
Deduct	
Adjustments in 1938.....	8,976 69
Government Grant re 1937 and 1938 Deficits.....	<u>31,305 50</u>
	40,282 19
	<u>29,438 92</u>
	<u>\$ 5,064,310 97</u>

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

This elevator experienced a much more active season in 1938 than in any other recent year. Receipts of grain in 1938 amounted to 37,238,870 bushels, as compared with 18,849,026 bushels in 1937.

At the close of 1938, grain stocks totalled 1,300,447 bushels. The comparative figure for the previous year was 333,059 bushels.

Statement showing the total quantity of grain handled at Port Colborne Elevator during the calendar year 1938, with comparisons for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	(Bush.)
Via water.....	37,238,870	35,703,606	72,942,476
Via rail.....		549,884	549,884
Via other.....		17,393	17,393
Total 1938.....	37,238,870	36,270,883	73,509,753
" 1937.....	18,849,026	18,695,988	37,545,014
" 1936.....	18,691,899	21,454,949	40,146,848
" 1935.....	11,115,989	9,139,645	20,255,634
" 1934.....	14,370,122	16,069,844	30,439,966

MAINTENANCE WORKS

Ordinary maintenance and repairs necessary for proper operation of the Board's facilities were made during 1938 to the following: vessel shovel gear, car haul, marine legs, lofters, scales, conveyors, rail spouts, bins, cleaning and separating equipment, building structure, inside electrical circuits, heating equipment, inside dust collecting equipment, vessel spouts, tracks and docks.

Items of major maintenance were carried out as follows: repairing and renewing waling strakes on docks of the unloading and loading berths, and installation of an independent grounding system for all electrical equipment.

REVENUES AND EXPENDITURES

Operating revenues of the elevator in 1938 amounted to \$249,623, or almost double the amount of \$126,458 earned in 1937. Operating and maintenance expenses were \$133,319 in 1938, as compared with \$99,546 in the previous year. After taking into account miscellaneous income debits and credits, the operations of the year resulted in a surplus of \$116,230. This figure compares with a profit of \$27,058 in 1937. No charge for interest or depreciation is made.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES

Elevation.....	\$ 237,353 14	
Storage.....	12,238 95	
Miscellaneous.....	30 53	
	<hr/>	\$ 249,622 62

OPERATING EXPENSES

Administration.....	14,660 55	
Operation and Maintenance.....	118,658 95	
	<hr/>	133,319 50
Operating Income.....		116,303 12

MISCELLANEOUS INCOME CREDITS.....		1,082 05
	<hr/>	
Total Income.....		117,385 17

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....		1,155 13
	<hr/>	
Net Income Surplus.....	\$	116,230 04

Port Colborne Elevator BALANCE SHEET AS AT DECEMBER 31, 1938

ASSETS		LIABILITIES	
FIXED	Real Estate.....	DOMINION GOVERNMENT ACCOUNT	
	Wharves and Piers.....	Expenditure under Appropriations.....	\$ 2,356,217 60
	Railway System.....		
	Grain Elevator System.....	CURRENT	
	Office Furniture and Appliances.....	Accounts Payable.....	1,386 36
	Miscellaneous Small Plant.....		<u>2,357,603 96</u>
CURRENT	Cash—Receiver General of Canada.....	SURPLUS AND DEFICIT ACCOUNT	
	Accounts Receivable.....	Balance as at December 31, 1937.....	68,860 83
	Less—Reserve for Bad Debts..	Adjustments in 1938.....	30,284 75
		Net Income Surplus for 1938.....	116,230 04
	Stores on Hand.....		<u>215,375 62</u>
		Deduct	
		Payment to Dominion Government on	
		account of Surplus Earnings.....	125,000 00
			<u>90,375 62</u>
PREPAID CHARGES.....	25 37		
	<u>\$ 2,447,979 58</u>		<u>\$ 2,447,979 58</u>

HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, two locomotive cranes of 15 and 20 tons capacity, a floating crane of 20 tons capacity, a gantry crane of 35 tons capacity, cattle pens capable of holding 400 head of cattle and a marine slipway capable of handling boats up to 1,200 tons weight.

TRAFFIC

Owing to the small crop in 1937, Churchill elevator stood practically empty until after the harvesting of the 1938 crop. Shipments of grain started to arrive on September 12th and three full cargoes of wheat—916,912 bushels—were shipped before the close of navigation. Receipts of grain at the elevator totalled 3,118,472 bushels, as compared with none received in 1937. Grain in store at the close of 1938 was 2,213,379 bushels.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Churchill during the calendar year 1938, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	25	13,480
Departures.....	26	14,194
Total 1938.....	51	27,674
“ 1937.....	28	19,806
“ 1936.....	56	92,806
“ 1935.....	44	55,750
“ 1934.....	64	98,762

CLASSIFICATION OF VESSELS

Statement showing classification and number and net registered tonnage of vessels which arrived at and departed from the harbour of Churchill during the calendar year 1938 with comparisons for 1937.

Classification	1938		1937	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
(1) Deepsea or ocean-going commercial.....	3	8,800	3	8,046
(2) Coastal or inland.....	22	4,680	10	792
(3) Fishery.....				
(4) All others.....			1	1,065
(5) Total.....	25	13,480	14	9,903
<i>Departures—</i>				
(1) Deepsea or ocean-going commercial.....	3	8,800	3	8,046
(2) Coastal or inland.....	23	5,394	10	792
(3) Fishery.....				
(4) All others.....			1	1,065
(5) Total.....	26	14,194	14	9,903
Total Arrivals and Departures.....	51	27,674	28	19,806

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Churchill during the calendar year 1938, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	Tons)	(Tons)
Foreign.....		27,508	27,508
Domestic.....	52	1,272	1,324
Total 1938.....	52	28,780	28,832
“ 1937.....	2,004	19,050	21,054
“ 1936.....	1,640	129,489	131,129
“ 1935.....	2,249	72,769	75,018
“ 1934.....	2,492	135,853	138,345

CARGO TONNAGE BY COMMODITY GROUPS

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Churchill during the calendar year 1938, with comparisons for 1937, analysed by commodity groups.

Basis: Tons—W. (2,000 lbs.) or M.

Commodity Group	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Commodity Group—</i>				
Agricultural.....		27,625	27,625	18,243
Animal.....	12	44	56	13
Mine.....		802	802	1,211
Forest.....	31	17	48	94
Manufactures and Miscellaneous.....	9	292	301	1,493
Total 1938.....	52	28,780	28,832	
" 1937.....	2,004	19,050		21,054

3. GRAIN ELEVATOR

Statement showing the total quantity of grain handled at terminal elevator at the harbour of Churchill during the calendar year 1938, with comparisons for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	(Bush.)
Via water.....		916,912	916,912
Via rail.....	3,118,472		3,118,472
Total 1938.....	3,118,472	916,912	4,035,384
" 1937.....		603,982	603,982
" 1936.....	2,676,266	4,346,667	7,022,933
" 1935.....	2,329,385	2,434,212	4,763,597
" 1934.....	3,968,170	4,068,283	8,036,453

MAINTENANCE WORKS

Ordinary maintenance and repairs required to keep the Board's facilities in good condition were carried out during 1938 on wharves, sheds, railway system, grain elevator and conveyor galleries, power house and heating plant, dredging fleet, buoys, boarding establishment buildings, shops, floating and shore equipment, marine railway, and water supply system. Basin in front of wharf and approach channel were swept and soundings taken.

In addition the following major maintenance works were carried out: sheathing portion of main wharf with short sheathing at low tide, dredging of

area in front of wharf where deposit of silt had collected, repairs to marine railway tracks, scraping and painting of steel window sash in elevator and conveyor gallery, alterations to living quarters, repairs to workhouse roof and scale hoppers, alterations to power lines, and raising floor slab in garage.

REVENUES AND EXPENDITURES

As a result of the resumption of grain shipments to the harbour, the revenues showed a decided improvement over those of the previous year. Total revenues amounted to \$83,868 in 1938, as compared with \$6,418 in 1937. Operating and maintenance expenses showed a decrease of \$11,840 from the amount expended in 1937. Expenses for the past three years were as follows: 1938, \$136,491; 1937, \$148,331; and 1936, \$280,458.

After taking into account miscellaneous income charges, the net deficit for 1938 was \$55,234, as compared with a deficit of \$140,890 in 1937, no charge for depreciation having been made, or for interest except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES

Harbour General			
Harbour Dues.....	\$	31 50	
Miscellaneous.....		645 00	
		<u> </u>	\$ 676 50
Wharves and Piers			
Top Wharfage.....		185 77	
Dockage.....		28 50	
		<u> </u>	214 27
Permanent Sheds			
Storage.....		709 37	
Miscellaneous.....		539 93	
		<u> </u>	1,249 30
Grain Elevator System			
Elevation.....		29,228 64	
Storage.....		13,027 84	
Miscellaneous.....		6,901 97	
		<u> </u>	49,158 45
Miscellaneous—Outsiders.....		32,569 02	
		<u> </u>	\$ 83,867 54

OPERATING EXPENSES

Administration.....		23,823 85	
Operation and Maintenance			
Harbour Dredging.....	10,058 67		
Harbour General.....	3,833 64		
Roads, Fences and Boundaries.....	144 11		
Wharves and Piers.....	3,360 78		
Permanent Sheds.....	1,358 37		
Railway System.....	1,697 12		
Grain Elevator System.....	51,157 17		
Miscellaneous—Outsiders.....	27,945 73		
Departmental Services.....	13,111 82		
	<u> </u>	112,667 41	
		<u> </u>	136,491 26
Operating Deficit.....			52,623 72

MISCELLANEOUS DEDUCTIONS FROM INCOME

Reserve for Bad Debts.....	519 05		
Miscellaneous Income Charges.....	1,867 15		
	<u> </u>	2,386 20	
		<u> </u>	55,009 92

OTHER INCOME REQUIREMENTS

Interest due Dominion Government.....		224 13	
Net Income Deficit.....	\$	55,234 05	

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1938

ASSETS		LIABILITIES	
FIXED		DOMINION GOVERNMENT ACCOUNT	
Harbour Dredging.....	\$ 1,180,299 95	Loans and Advances (Interest Bearing).....	\$ 9,443 94
Real Estate.....	60,256 97	Expenditure under Appropriations.....	13,249,808 10
Miscellaneous Structures.....	181,602 40		\$ 13,259,252 13
Wharves and Piers.....	1,367,768 68		
Permanent Sheds.....	200,594 74		
Railway System.....	32,755 20		
Grain Elevator System.....	4,133,460 34		
Harbour Buildings.....	146,585 01		
Harbour Shops.....	13,299 71	CURRENT	
Electric Power System.....	19,491 34	Accounts Payable.....	23,101 37
Water Supply System.....	407,897 10	Salaries and Wages Payable.....	4,592 13
Floating Equipment.....	1,232,007 26	Matured Interest due Dominion Govern- ment.....	224 13
Miscellaneous Small Plant.....	427,821 56		27,917 63
Engineering—General Surveys.....	109,441 06		
Sundry Expenditure (Undistributed).....	3,676,412 24		13,287,169 76
	\$ 13,189,693 56		
CURRENT		SURPLUS AND DEFICIT ACCOUNT	
Cash—Receiver General of Canada.....	\$ 6,835 31	Adjustments in 1938.....	8,991 37
Cash—On Hand.....	73 22	Net Income Deficit for 1938.....	55,234 05
Accounts Receivable.....	6,908 53		64,225 42
Less—Reserve for Bad Debts.....	8,359 61		
	1,730 82		
Stores on Hand.....	6,628 79	Deduct	
Accrued Revenue.....	61,031 27	Government Grant <i>re</i> Working Capital.....	\$ 15,463 05
	28,526 27	Government Grant <i>re</i> 1938 Deficit.....	55,009 92
	103,094 86		70,472 97
	628 89		6,247 55
PREPAID CHARGES			\$ 13,293,417 31
	\$ 13,293,417 31		

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard Inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year around has a minimum depth of 35 feet. The Board operates three piers and two jetties having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's three grain elevators have a total storage capacity of 8,610,000 bushels, a combined loading capacity of about 184,000 bushels per hour and $1\frac{1}{4}$ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 Imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish.

TRAFFIC

The volume of traffic in 1938 was relatively satisfactory having regard to existing conditions. There was a distinct decline in trade to and from the Orient due to the hostilities between China and Japan. Another unfavourable factor was the abnormally low volume of wheat shipments in the early months of the year owing to the partial crop failure in 1937. With the harvesting of the 1938 crop, however, activity in wheat shipments was resumed.

The volume of shipping, as reflected by the statistics of arrivals and aggregate net registered tonnage, was substantially the same as in the previous year, the number of deep-sea vessels which entered the harbour having been 1984, showing an increase of 25 over 1937.

Cargo tonnage, foreign and domestic, was 6,356,154 tons, as compared with 6,912,123 in 1937, a decrease of 555,969 tons. A part of this decline is attributable to the fact that in the early months of 1937 traffic was increased substantially by United States tonnage diverted to Vancouver by reason of the strike of maritime workers at United States Pacific ports. The loss in tonnage in 1938 due to the decline in trade to and from China and Japan was 191,000 tons. Movements of the following commodities showed increases over the figures for 1937: canned fish, cured fish, concentrates, grain, lath, fish oil and piling and poles. Lumber, crude petroleum, gasoline, newsprint and other paper were among the commodities showing decreases.

Grain shipments in the calendar year 1938 were 26,884,700 bushels, as compared with 23,749,368 bushels in 1937 and 64,812,823 bushels in 1936.

1. SHIPPING

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Vancouver during the calendar year 1938, with comparisons for previous years.

	No. of Vessels	Net Reg. Tonnage
Arrivals.....	22,290	11,620,493
Departures.....	22,225	11,580,277
Total 1938.....	44,515	23,200,770
" 1937.....	45,215	23,207,764
" 1936.....	39,345	23,871,557
" 1935.....	36,571	22,415,692
" 1934.....	33,940	22,955,053

CLASSIFICATION OF VESSELS

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Vancouver during the calendar year 1938 with comparisons for 1937.

Classification	1938		1937	
	No of Vessels	Net Reg. Tonnage	No. of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	984	4,029,308	959	3,990,590
2. Coastal or inland.....	21,306	7,591,185	21,698	7,575,818
3. Fishery.....				
4. All others.....				
5. Total.....	22,290	11,620,493	22,657	11,566,408
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	978	4,020,454	989	4,089,258
2. Coastal or inland.....	21,247	7,559,823	21,569	7,552,098
3. Fishery.....				
4. All others.....				
5. Total.....	22,225	11,580,277	22,558	11,641,356
Total Arrivals and Departures.....	44,515	23,200,770	45,215	23,207,764

2. CARGO TONNAGE

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Vancouver during the calendar year 1938, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M.

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	1,491,210	1,747,561	3,238,771
Domestic.....	2,305,402	811,981	3,117,383
Total 1938.....	3,796,612	2,559,542	6,356,154
" 1937.....	4,176,003	2,736,120	6,912,123
" 1936.....	3,879,919	3,886,195	7,766,114
" 1935.....	3,205,188	3,134,448	6,339,636
" 1934.....	3,056,068	3,203,513	6,259,581

CARGO TONNAGE BY COMMODITIES

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Vancouver during the calendar year 1938, with comparisons for 1937, analysed by commodities.

Basis: Tons—W. (2,000 lbs.) or M.

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
<i>Agricultural Products</i>	(Tons)	(Tons)	(Tons)	(Tons)
1. Wheat.....		576,562	576,562	536,323
2. Corn.....	7,477		7,477	32,635
3. Oats.....	32	33,359	33,391	16,849
4. Barley.....		51,885	51,885	1,994
5. Rye.....				
6. Flaxseed.....	566	3	569	31
7. Other Grain.....	7,866	496	8,362	11,799
8. Flour.....	1,334	32,501	33,835	46,891
9. Other Mill Products.....	3,976	13,634	17,610	34,649
10. Hay and Straw.....	124	582	706	424
11. Cotton.....	642		642	952
12. Apples (fresh).....	1,879	9,590	11,469	17,637
13. Other Fruit (fresh).....	13,846	3,470	17,316	18,647
14. Potatoes.....	2,902	4,355	7,257	3,019
15. Other Fresh Vegetables.....	4,181	3,283	7,464	5,190
16. Other Agricultural Products.....	58,774	1,765	60,539	81,679
Total 1938.....	103,599	731,485	835,084	
" 1937.....	161,787	646,932		808,719
<i>Animal Products</i>				
17. Horses.....	100	37	137	133
18. Cattle and Calves.....	10,982	1,436	12,418	7,781
19. Sheep.....	107	26	133	188
20. Hogs.....	12	4	16	14
21. Dressed Meats (fresh).....	193	406	599	869
22. Dressed Meats (cured-salted-canned).....	1,579	184	1,763	2,317
23. Other Packing House Products (edible).....	1,491	225	1,716	1,955
24. Poultry.....	14	82	96	73
25. Eggs.....	900	933	1,833	2,440
26. Butter.....	1,188	244	1,432	90
27. Cheese.....	194	31	225	381
28. Wool.....	2,105	137	2,242	4,891
29. Hides and Leather.....	2,935	2,525	5,460	6,053
30. Other Animal Products (Non-edible).....	13,913	11,997	25,910	17,334
Total 1938.....	35,713	18,267	53,980	
" 1937.....	28,636	15,883		44,519
<i>Mine Products</i>				
31. Anthracite Coal.....	657		657	
32. Bituminous Coal.....	271,419	2,191	273,610	259,958
33. Lignite Coal.....				
34. Coke.....	1,883	4,084	5,967	9,306
35. Iron Ores.....				
36. Copper Ore and Concentrates.....	1,478	52,102	53,580	11,109
37. Other Ores and Concentrates.....	1,433	5,784	7,217	11,242
38. Base Bullion, Matte, Pig and Ingots (non-ferrous metals).....	46	26,649	26,695	34,646
39. Sand and Gravel.....	264,170	41,593	305,763	276,924
40. Stone (crushed, ground, broken).....	360		360	1,507
41. Slate, Dimension or Block Stone.....	2,556	33,160	35,716	19,273
42. Crude Petroleum.....	959,913	126,959	1,086,872	1,238,318
43. Asphalt (Natural, By-product Petroleum).....	419	153	572	913
44. Salt.....	19,481	2,293	21,774	38,777
45. Other Mine Products.....	1,350	19,092	20,442	13,763
Total 1938.....	1,525,165	314,060	1,839,225	
" 1937.....	1,639,445	276,291		1,915,736

CARGO TONNAGE BY COMMODITIES—*Concluded**Basis: Tons—W. (2,000 lbs.) or M.*

Commodities	Inward 1938	Outward 1938	Total 1938	Total 1937
	(Tons)	(Tons)	(Tons)	(Tons)
<i>Forest Products</i>				
46. Logs, Posts, Poles, Piling.....	1,087,813	361,889	1,449,702	1,642,572
47. Cordwood and Other Firewood.....	2,472	97,873	100,345	104,264
48. Ties.....	216	11,408	11,624	13,719
49. Pulpwood.....				650
50. Lumber, Timber, Box, Crate and Cooperage Material.....	370,915	453,198	824,113	808,822
51. Other Forest Products.....	2,718	15,933	18,651	24,779
Total 1938.....	1,464,134	940,301	2,404,435	
" 1937.....	1,507,729	1,087,077		2,594,806
<i>Manufactures and Miscellaneous</i>				
52. Gasoline.....	43,959	126,976	170,935	195,058
53. Petroleum Oils and Other Petroleum Products (except asphalt and gasoline).....	25,047	1,160	26,207	17,690
54. Sugar.....	90,016	5	90,021	80,894
55. Iron, Pig and Bloom.....	1,014	20	1,034	2,890
56. Rails and Fastenings.....	11,977	2,268	14,245	18,149
57. Iron and Steel (Bar, Sheet, Structural, Pipe).....	50,966	28,306	79,272	115,996
58. Castings, Machinery and Boilers.....	7,584	8,299	15,883	14,742
59. Cement.....	32,360	956	33,316	35,768
60. Brick and Artificial Stone.....	4,508	1,943	6,451	5,526
61. Lime and Plaster.....	7,182	898	8,080	7,171
62. Agricultural Implements and Vehicles other than Autos.....	1,456	890	2,346	3,169
63. Sewer Pipe and Drain Tile.....	195	8	203	153
64. Automobiles, Auto Trucks and Auto Parts.....	3,225	26,726	29,951	29,699
65. Household Goods and Settlers' Effects.....	1,112	538	1,650	1,482
66. Furniture.....	2,651	3,009	5,660	8,273
67. Liquor Beverages.....	6,255	5,102	11,357	12,218
68. Fertilizers, all kinds.....	18,493	14,897	33,390	43,458
69. Newsprint Paper.....	34,820	14,903	49,723	104,549
70. Other Paper.....	36,407	13,233	49,640	83,583
71. Paper Board, Pulpboard and Wallboard (paper) ..	1,503	1,016	2,519	2,680
72. Wood Pulp.....	7,653	7,084	14,737	30,376
73. Fish (fresh, frozen, cured, etc.).....	63,566	57,544	121,110	143,302
74. Canned Goods (all Canned Food Products except meats).....	12,457	5,491	17,948	24,035
75. Other Manufactures and Miscellaneous.....	203,595	234,157	437,752	567,482
Total 1938.....	668,001	555,429	1,223,430	
" 1937.....	838,406	709,937		1,548,343
GRAND TOTAL 1938.....	3,796,612	2,559,542	6,356,154	
" 1937.....	4,176,003	2,736,120		6,912,123
<i>Commodity Group</i>				
Agricultural.....	103,599	731,485	835,084	808,719
Animal.....	35,713	18,267	53,980	44,519
Mine.....	1,525,165	314,060	1,839,225	1,915,736
Forest.....	1,464,134	940,301	2,404,435	2,594,806
Manufactures and Miscellaneous.....	668,001	555,429	1,223,430	1,548,343
Total 1938.....	3,796,612	2,559,542	6,356,154	
" 1937.....	4,176,003	2,736,120		6,912,123

3. PASSENGER TRAFFIC

Statement showing the number of passengers landed and embarked by vessels at the harbour of Vancouver during the calendar year 1938, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	12,117	13,187	25,304
Coastwise.....	569,133	575,738	1,144,871
Total 1938.....	581,250	588,925	1,170,175
“ 1937.....	594,376	606,616	1,200,992
“ 1936.....	479,836	482,240	962,076
“ 1935.....	393,588	394,478	788,066
“ 1934.....	397,674	405,134	802,808

4. GRAIN ELEVATORS

Statement showing the total quantity of grain handled at terminal elevators at the harbour of Vancouver during the calendar year 1938, with comparisons for previous years.

Classification	Receipts 1938	Shipments 1938	Total 1938
	(Bush.)	(Bush.)	Bush.)
Via water.....	267,023	23,690,201	23,957,224
Via rail.....	37,530,148	3,194,499	40,724,647
Via other.....	164,679	.....	164,679
Total 1938.....	37,961,850	26,884,700	64,846,550
“ 1937.....	18,169,977	23,749,368	41,919,345
“ 1936.....	58,536,075	64,812,823	123,348,898
“ 1935.....	47,212,116	46,494,516	93,706,632
“ 1934.....	54,412,459	51,584,055	105,996,514

5. TERMINAL RAILWAY

Statement showing the number of railway cars handled by the National Harbours Board terminal railway at the harbour of Vancouver during the calendar year 1938, with comparisons for 1937.

Classification	1938	1937
Received from connecting lines—		
1. Revenue cars.....	13,462	10,961
2. Non-revenue cars.....	7,930	10,502
3. Total.....	21,392	21,463
Delivered to connecting lines—		
1. Revenue cars.....	7,770	10,541
2. Non-revenue cars.....	13,446	11,027
3. Total.....	21,216	21,568
Switched locally—		
1. Revenue cars.....	583	671
2. Non-revenue cars.....	583	671
3. Total.....	1,166	1,342
Total—		
1. Revenue cars.....	21,815	22,173
2. Non-revenue cars.....	21,959	22,200
3. Total.....	43,774	44,373

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance of harbour facilities in 1938 consisted of repairs to and upkeep of aids to navigation, booming grounds, wharves, piers and jetties, sheds, offices, grain elevators and equipment, terminal railway tracks and equipment, drains and sewers, roadways, lighting, fire protection and water supply systems and the Second Narrows bridge and its equipment. Prospect Point signal station and equipment were kept in repair until the end of the year when this station was transferred to the First Narrows Bridge. Pile dolphins in the booming grounds, North Vancouver, were repaired and replaced. Under-water inspection and repairs to Lapointe pier and jetties 1 and 3 were made and timber replacements and additions made to jetty 1 superstructure. Concrete crane rail sets at Ballantyne pier were replaced in timber and at Lapointe pier light rail was replaced by heavy rail in the east track. Guide piles in the fish wharf float and some stringers and the timber deck of Japan wharf were renewed. Doors, windows and roofs of Ballantyne and Lapointe pier sheds were repaired, shed offices reconditioned, and the windows and doors of Ballantyne pier sheds painted. Terminal railway tracks and rolling stock

were repaired, tie and rail replacements made in Glen Drive yard and on Granville Island. At elevator 2, spouts, doors and hatch lids were painted, three new tunnel belts installed and cables and flooring replaced in the unloading shed. Parts of the steelwork of grain conveyor galleries were painted. Drains and sewers on Granville Island were kept in condition, plank roadways repaired and water supply and fire protection equipment inspected and overhauled. At the Second Narrows bridge, counterweight cables were cleaned and greased, guide shoes and liners installed on the movable span and counterweights and timber guard rails, sidewalk and roadway planking repaired and renewed. Further progressive maintenance painting of the steelwork was done. The mechanical equipment of the bridge was repaired and overhauled as bridge operation permitted.

Major maintenance work carried on during 1938 consisted of replacement and reinforcing of timber in caps, stringers and posts of jetty 1 superstructure; replacement of timber deck of Japan wharf; replacing 60-lb. rails with 85-lb. rails in east track Lapointe pier; the renewal of a large number of ties in tracks of Glen Drive yard; the replacement of three switch panels in Ballantyne pier lighting system; the painting of shed doors, window frames and conveyor gallery steel work at Ballantyne pier and replacement of several pile dolphins in the North Vancouver booming grounds.

CAPITAL WORKS

Paving Roadway Lapointe Pier.—In September, 1938 a contract was entered into with Carter-Halls-Aldinger Company, Limited, for the removal of the existing plank road and the construction of an 18-foot asphaltic concrete road to Lapointe pier. A permanent pavement from adjacent city streets to Lapointe pier is provided by this work.

Additions to Sheds and Cold Storage Plant, Fish Wharf.—An 80-foot extension to the west booth building on the fish wharf was constructed during the year, the extension being equipped with smokehouse, offices and toilet accommodation. An enlargement in the capacity of the cold storage plant was also made by the addition of a motor driven ammonia compressor and condenser to the refrigeration equipment and the installation of cooling coils in one of the storage rooms.

No. 1 Elevator.—For the accommodation of the elevator operating staff additional toilet facilities were installed in No. 1 Elevator.

REVENUES AND EXPENDITURES

Operating revenues in 1938 amounted to \$1,453,905, as compared with \$1,636,649 in 1937, a decrease of \$182,744, attributable in the main to reduced cargo tonnage. Operating expenses, including maintenance, amounted to \$566,397, as compared with \$708,830 in the previous year, showing a reduction of \$142,433. This decrease in expenses offset to a considerable extent the decline in revenue and the year's operations resulted in a surplus on operating account of \$887,508, which was only \$40,311 less than in 1937.

After taking into account income credits and debits, and providing for reserve for replacements and interest due the Dominion Government, the accounts for 1938 showed a net income deficit of \$505,007, as compared with a deficit of \$471,289 in 1937.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 111,534 70
Cargo Rates.....	411,710 93
Miscellaneous.....	265,996 09
	<u>\$ 789,241 72</u>

Wharves and Piers

Top Wharfage.....	147,635 81
Miscellaneous.....	26,759 76
	<u>174,395 57</u>

Permanent Sheds

Shed Rentals.....	16,642 50
Storage.....	60,816 04
Miscellaneous.....	13,204 85
	<u>90,663 39</u>

Railway System.....	111,954 58
---------------------	------------

Grain Elevator System

Rentals.....	258,048 16
--------------	------------

Cold Storage System

Storage.....	2,395 95
Miscellaneous.....	27,205 47
	<u>29,601 42</u>
	<u>\$ 1,453,904 84</u>

OPERATING EXPENSES

Administration.....	118,534 79
---------------------	------------

Operation and Maintenance—

Harbour General.....	155,556 09
Roads, Fences and Boundaries.....	331 20
Wharves and Piers.....	76,760 59
Permanent Sheds.....	72,710 03
Shed Hoists.....	427 33
Railway System.....	113,637 87
Grain Elevator System.....	5,425 73
Cold Storage System.....	23,013 28
	<u>447,862 12</u>
	<u>566,396 91</u>

Operating Income.....	<u>887,507 93</u>
-----------------------	-------------------

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	94,746 98
---	-----------

MISCELLANEOUS INCOME CREDITS.....	79,292 21
	<u>174,039 19</u>

Total Income.....	<u>1,061,547 12</u>
-------------------	---------------------

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income Received from Reserve Funds Transferred to Reserves.....	86,686 98
	<u>974,860 14</u>

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	250,000 00
Interest due Dominion Government.....	1,229,866 80
	<u>1,479,866 80</u>

Net Income <i>Deficit</i>	<u><u>\$ 605,006 66</u></u>
---------------------------------	-----------------------------

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1938

ASSETS		LIABILITIES	
FIXED		DOMINION GOVERNMENT ACCOUNT	
Real Estate.....	\$ 6,642,862 96	Loans and Advances (Interest Bearing).....	\$ 24,918,646 17
Vehicular Bridges.....	96,181 20	Government Loans Applied For—Contra.....	17,869 08
Roads, Fences and Boundaries.....	284,491 77		24,936,515 25
Miscellaneous Structures.....	10,135 63		
Wharves and Piers.....	7,883,774 29	CURRENT	
Permanent Sheds.....	1,437,356 96	Accounts Payable.....	99,848 57
Railway System.....	1,351,894 39	Salaries and Wages Payable.....	2,811 62
Grain Elevator System.....	6,225,890 71	Matured Interest Unpaid due Dominion Government.....	2,221,310 49
Cold Storage System.....	68,737 88	Unclaimed Wages.....	373 62
Office Furniture and Appliances.....	33,274 84		2,324,344 30
Harbour Buildings.....	63,221 32	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	11,080 00
Floating Equipment.....	108,463 88	RESERVES	
Shore Equipment.....	337,991 66	Replacement.....	2,407,551 89
Miscellaneous Small Plant.....	48,157 27	Fire and General Insurance.....	20,795 56
Engineering—General Surveys.....	3,084 59		2,428,347 45
	<u>\$ 24,597,519 40</u>	DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	112,591 70
CURRENT			<u>29,812,878 70</u>
Cash—Receiver General of Canada.....	\$ 427,510 69	SURPLUS AND DEFICIT ACCOUNT	
Cash—On Hand.....	4,335 92	Deficit as at December 31, 1937.....	515,149 60
Accounts Receivable.....	185,269 00	Adjustments in 1938.....	9,442 73
Less—Reserve for Bad Debts.....	16,505 99	Net Income Deficit for 1938.....	505,006 66
Advances due on Capital Account.....			<u>1,029,598 99</u>
Stores on Hand.....			
Accrued Revenue.....			
	<u>653,508 43</u>		
SECOND NARROWS BRIDGE—EQUITY.....			
INVESTMENTS.....	917,710 62		
SECURITY DEPOSITS.....	168,693 00		
REPLACEMENT FUND.....	11,080 00		
FIRE AND GENERAL INSURANCE FUND.....	2,407,551 89		
MISCELLANEOUS FUNDS.....	20,795 56		
PREPAID CHARGES.....	529 00		
DEFERRED DEBITS.....	3,516 54		
	<u>2,374 67</u>		
	<u>\$ 28,783,279 71</u>		
			<u>\$ 28,783,279 71</u>

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge at the harbour of Vancouver during the calendar year 1938, with comparisons for 1937.

Classification	1938	1937
	Revenue Passages	Revenue Passages
Passengers in vehicles and Pedestrians.....	2,364,113	2,141,671
Automobiles (passenger).....	830,709	748,758
Trucks (including buses).....	148,983	143,910
All others.....	1,925	1,585
Total.....	3,345,730	3,035,924

REVENUES AND EXPENDITURES

Operating revenues in 1938 amounted to \$178,040, as compared with \$164,901 in 1937, the increase having been \$13,139. Operating and maintenance expenses were \$62,630, practically unchanged from 1937. The excess of revenue over operating expenses was, therefore, \$115,410 in 1938. The corresponding figure for 1937 was \$102,289. After charging the current year's interest and \$5,915 as reserve for replacements, the net income surplus for 1938 was \$60,420, as against \$43,441 in 1937.

Under the agreement relating to the purchase and reconstruction of the bridge, net revenue is applied to payment of equal annual instalments of principal and interest calculated to repay the cost of reconstruction in 20 years. This annual instalment amounts to \$81,078. Arrears of instalments were further reduced in 1938 as a result of earnings being in excess of the annual payment required. At the end of 1938 the balance unpaid of matured instalments was \$39,009. Since the bridge resumed operations in June, 1934, the following principal amounts have been earned, in addition to interest: \$92,697 on account of repayment of the cost of reconstruction, and \$40,619, being the cash consideration stipulated at the time of transfer.

INCOME STATEMENT FOR THE CALENDAR YEAR 1938

OPERATING REVENUES

Bridge Tolls.....	\$ 176,831 50	
Sundry Receipts.....	1,208 03	
	<hr/>	\$ 178,039 53

OPERATING EXPENSES

Administration.....	2,400 00	
Operation.....	47,764 51	
Maintenance.....	12,465 16	
	<hr/>	62,629 67

Operating Income..... 115,409 86

INCOME RECEIVED FROM RESERVE FUNDS..... 666 24

Total Income..... 116,076 10

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserve.....	666 24	
	<hr/>	115,409 86

INTEREST ON DEBT TO VANCOUVER HARBOUR..... 49,074 88

66,334 98

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	5,915 17	
	<hr/>	

Net Income Surplus (before providing for instalments of principal).....\$ 60,419 81

Second Narrows Bridge—Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1938

ASSETS		LIABILITIES	
FIXED		CAPITAL	
Capital Cost Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured balance.....	\$ 878,701 82
Office Furniture and Appliances.....	507 47		
CURRENT		CURRENT	
Cash on hand.....	\$ 244 95	Accounts Payable.....	\$ 28 40
Accounts Receivable.....	611 00	Ticket Liability.....	4,648 97
		Vancouver Harbour—Matured instalment unpaid	39,008 80
		RESERVES	
		Replacement.....	43,686 17
			27,284 50
REPLACEMENT FUND.....	27,284 50	DEFERRED CREDITS.....	8 33
PREPAID CHARGES.....	3,287 28		949,680 82
DEFERRED DEBITS.....	35 00	SURPLUS ACCOUNT (REPRESENTING REPAYMENT OF PRINCIPAL OUT OF INCOME)	
		Balance as at December 31, 1937.....	28,010 15
		Adjustment of previous years' instalments.....	3,367 22
		Balance brought from Income Statement.....	60,419 81
			92,697 18
			<u>\$ 1,042,378 00</u>

This Balance Sheet is drawn up so as to reflect the terms of an agreement dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statements of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board, and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1938

REVENUE

Assessments.....	\$ 134,663 04
------------------	---------------

EXPENDITURE

Salaries.....	\$ 93,447 99
Travelling Expenses.....	7,983 99
Advertising.....	2,049 00
Office Expenses.....	12,754 40
Treasury Office—Salaries and Expenses.....	18,427 66
	<hr/>
	134,663 04

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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1939



OTTAWA

PRINTED BY J. O. PATENAUD, I.S.O.

PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

OTTAWA, CANADA, 1940

Price, 25 cents



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1940

NATIONAL HARBOURS BOARD

R. O. Campney, K.C.....	Chairman.
Colonel A. E. Dubuc.....	Vice-Chairman and Chief Engineer.
B. J. Roberts.....	Member.

F. W. Riddell.....Executive Secretary.
J. T. Rowan.....Assistant Secretary.

Halifax.....	R. W. Hendry.....	Port Manager.
Saint John.....	Alex. Gray.....	Port Manager and Chief Engineer.
Chicoutimi.....	L. A. Dussault.....	Port Manager.
Quebec.....	Louis Beaudry.....	Port Manager and Acting Chief Engineer.
Three Rivers.....	J. R. Lariviere.....	Port Manager.
Montreal.....	Alex. Ferguson.....	Port Manager.
Prescott.....	G. T. Birch.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	K. J. Burns.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 15, 1940.

To the Hon. C. D. HOWE, M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the fourth annual report of the National Harbours Board, covering operations for the calendar year 1939, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING

The aggregate volume of shipping during 1939 was approximately the same as in 1938, both in respect of number of vessels and net registered tonnage.

The following statement summarizes, by harbours, the volume of shipping in 1939, with corresponding figures for 1938:—

VESSELS—ARRIVALS

Harbour	1939		1938	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
Halifax.....	3,656	6,054,412	3,224	4,034,436
Saint John.....	2,320	2,500,598	2,169	2,504,548
Chicoutimi.....	184	70,385	187	57,733
Quebec.....	3,766	4,219,192	3,898	5,013,390
Three Rivers.....	2,077	1,549,829	2,945	2,196,976
Montreal.....	5,515	7,588,940	5,729	8,589,519
Churchill.....	20	20,813	25	13,480
Vancouver.....	23,356	11,993,815	22,290	11,620,493
Total.....	40,894	33,997,984	40,467	34,030,575

TRAFFIC

Cargo tonnage in 1939 decreased in comparison with 1938 by 2,038,720 tons, or 6 per cent, due to unsettled world conditions prior to, and disturbances immediately following, the outbreak of war. The decrease was represented largely by a heavy reduction in grain shipments.

The following statements summarize the volume of water-borne cargo tonnage in 1939, with corresponding figures for 1938, both as to harbours and as to classification.

CARGO TONNAGE—INWARD AND OUTWARD

Basis: Tons—W. (2,000 lbs.) or M. (40 cu.ft.)

Harbour	Inward 1939	Outward 1939	Total 1939	Total 1938
	(Tons)	(Tons)	(Tons)	(Tons)
Halifax.....	1,266,656	997,532	2,264,188	2,054,511
Saint John.....	749,412	1,199,912	1,949,324	1,933,525
Chicoutimi.....	72,926	1,607	74,533	55,195
Quebec.....	1,271,954	459,446	1,731,400	1,742,731
Three Rivers.....	1,231,942	616,472	1,848,414	2,861,545
Montreal.....	9,396,119	5,389,906	14,786,025	16,700,384
Churchill.....	1,618	53,709	55,327	28,832
Vancouver.....	4,016,615	2,968,331	6,984,946	6,356,154
Total 1939.....	18,007,242	11,686,915	29,694,157	
“ 1938.....	18,935,746	12,797,131		31,732,877

CARGO TONNAGE—FOREIGN AND DOMESTIC

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Classification	Total in and out 1939	Total in and out 1938
	(Tons)	(Tons)
Foreign.....	17,929,423	20,588,019
Domestic.....	11,764,734	11,144,858
Total.....	29,694,157	31,732,877

REVENUES AND EXPENDITURES

Operating revenues amounted to \$9,093,141, as compared with \$9,144,936 in 1938, a decrease of \$51,795. Expenses of administration, operation and maintenance totalled \$4,258,821, as against \$4,408,724 in 1938, a decrease of \$149,903. Operating profit for the year was \$4,834,319, as compared with \$4,736,212 in 1938, representing a gain of \$98,107, or slightly over 2 per cent.

After taking into account miscellaneous income debits and credits and providing for interest and reserve for replacements, the net income deficit for the year was \$4,874,293, as compared with \$4,796,984 in the previous year, an increase of \$77,309.

As in previous reports, separate consolidated income statements are given for the seven harbours administered by local commissioners prior to 1936, and for the grain elevators at Prescott and Port Colborne and the harbour of Churchill, which were transferred to the Board at the beginning of 1937.

Dealing first with the seven harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver, the collective operating revenues for 1939 amounted to \$8,486,475, a decrease of \$255,981, or slightly under 3 per cent from the previous year. Operating and maintenance expenses showed a decrease of \$153,545, or nearly 4 per cent, the figures for 1939 being \$3,910,164 and for 1938, \$4,063,709.

After taking into account miscellaneous credits and providing for interest and reserve for replacements, the net income deficit for these harbours in 1939 was \$5,134,029, as compared with \$4,850,533 for 1938, an increase of \$283,496.

The following is a comparative consolidated income statement for the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver for each of the years 1935 to 1939, inclusive:—

CONSOLIDATED INCOME STATEMENT

(EXCLUDING PRESCOTT, PORT COLBORNE AND CHURCHILL)

	1939	1938	1937	1936	1935
OPERATING REVENUES.....	\$8,486,475	\$8,742,456	\$8,262,221	\$8,030,600	\$7,427,455
OPERATING AND MAINTENANCE EXPENSES.....	3,910,164	4,063,709	4,268,675	4,494,713	4,975,756
Operating Income.....	4,576,311	4,678,747	3,993,546	3,535,887	2,451,699
MISCELLANEOUS CREDITS (Net).....	65,891	3,161	81,470	37,146	6,198
Total Income.....	4,510,420	4,681,908	4,075,016	3,573,033	2,445,501
INTEREST DUE PUBLIC.....	1,046,974	1,095,916	1,203,082	1,298,719	1,325,300
OTHER INCOME REQUIREMENTS	3,463,446	3,585,992	2,871,934	2,274,314	1,120,201
Reserve for Replacements.....	1,958,640	1,923,348	1,909,186	1,907,179	788,359
Interest due Government.....	6,938,835	6,813,177	6,690,736	6,543,718	6,376,300
	8,897,475	8,736,525	8,599,922	8,450,897	7,164,659
	5,434,029	5,150,533	5,727,988	6,176,533	6,044,458
Deduct					
Special Contributions to Deficits (Bridge-Montreal).....	300,000	300,000	300,000	300,000	300,000
Net Income Deficit.....	\$5,134,029	\$4,850,533	\$5,427,988	\$5,876,533	\$5,744,458

The financial improvement in these harbours during the last four years is shown in the foregoing statement. Since 1935, the year in which the change in harbour administration took place, operating revenues have increased from \$7,427,455 to \$8,486,475, an improvement of \$1,059,020, or slightly over 14 per cent. During the same period, operating and maintenance expenses have been reduced from \$4,975,756 to \$3,910,164, a decrease of \$1,065,592, or 21 per cent. Operating income has risen from \$2,451,699 in 1935 to \$4,576,311 in 1939, a gain of \$2,124,612, or 87 per cent.

The amount charged for reserve for replacements in 1935 was \$788,359 whereas, in 1939, the amount so charged was \$1,958,640. The net income deficit in 1935 was \$5,744,458 compared with \$5,134,029 at the end of 1939, a decrease of \$610,429. Taking into consideration the more adequate provision made in 1939 for depreciation of physical properties as compared with 1935, it will be noted that the improvement in the net deficit position approaches \$2,000,000 per annum.

The improvement in operating results in each of the harbours is indicated in the following statement:

STATEMENT OF OPERATING REVENUES, OPERATING EXPENSES and OPERATING INCOME FOR THE YEARS 1935, 1936, 1937, 1938 and 1939

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Halifax.....1935	500,936	504,851	3,915*
1936	510,179	433,040	77,139
1937	581,740	429,472	152,268
1938	599,856	420,765	179,091
1939	744,470	420,841	323,629
Change—1939 relative to 1935.....	+243,534	— 84,010	+327,544
Saint John.....1935	322,954	272,860	50,094
1936	367,448	256,380	111,068
1937	435,952	240,302	195,650
1938	445,726	242,544	203,182
1939	466,004	237,882	228,122
Change—1939 relative to 1935.....	+143,050	— 34,978	+178,028
Chicoutimi.....1935	13,328	20,401	7,073*
1936	21,307	18,639	2,668
1937	21,750	14,361	7,389
1938	21,254	13,374	7,880
1939	20,414	14,078	6,336
Change—1939 relative to 1935.....	+7,086	— 6,323	+ 13,409
Quebec.....1935	466,474	781,758	315,284*
1936	482,542	673,838	191,295*
1937	447,780	572,334	124,554*
1938	488,013	537,316	49,303*
1939	469,424	492,203	22,779*
Change—1939 relative to 1935.....	+ 2,950	—289,555	+292,505
Three Rivers.....1935	93,076	47,837	45,239
1936	122,347	32,191	90,156
1937	172,309	18,023	154,286
1938	191,881	33,242	158,639
1939	165,682	18,147	147,535
Change—1939 relative to 1935.....	+ 72,606	— 29,690	+102,296
Montreal.....1935	4,032,770	2,394,967	1,637,803
1936	4,238,836	2,209,179	2,029,657
1937	4,377,350	2,136,800	2,240,550
1938	4,917,837	2,095,656	2,822,181
1939	4,469,097	1,987,928	2,481,169
Change—1939 relative to 1935.....	+436,327	—407,039	+843,366
Jacques Cartier Bridge (Montreal).....1935	347,698	145,439	202,259
1936	354,867	91,861	263,006
1937	423,785	84,550	339,235
1938	445,945	91,785	354,160
1939	463,124	91,266	371,858
Change—1939 relative to 1935.....	+115,426	— 54,173	+169,599
Vancouver.....1935	1,537,044	736,554	800,490
1936	1,792,980	718,997	1,073,983
1937	1,636,648	708,830	927,818
1938	1,453,905	566,397	887,508
1939	1,578,036	590,743	987,293
Change—1939 relative to 1935.....	+40,992	—145,811	+186,803
Second Narrows Bridge (Vancouver).....1935	113,168	71,083	42,085
1936	140,089	60,586	79,502
1937	164,899	62,611	102,288
1938	178,039	62,630	115,409
1939	110,225	57,074	53,151
Change—1939 relative to 1935.....	— 2,943	— 14,009	+ 11,066

*Deficit.

Dealing now with the grain elevators at Prescott and Port Colborne and the harbour of Churchill, operating revenues amounted to \$606,665, as compared with \$402,480 in the previous year. This additional revenue of \$204,185 was earned with an increase of but \$3,643 in operating expenses. After taking into account miscellaneous credits, the result of the year's operations shows a surplus of \$259,736 as compared with \$53,549 in 1938. With the exception of interest on a small amount of capital expended since these facilities were transferred to the Board, no charge has been made for interest or replacement reserve.

The following is a consolidated income statement for these units for 1939, showing also comparative figures for 1936, 1937 and 1938:

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1939	1938	1937	1936
Operating Revenues.....	\$ 606,665	\$ 402,480	\$ 190,133	\$ 448,838
Operating and Maintenance Expenses.....	348,658	345,015	329,766	487,667
	<u>258,007</u>	<u>57,465</u>	<u>139,633</u>	<u>38,829</u>
Other Debits and Credits (Net).....	1,729	3,916	1,943	781
Net Income Surplus or Deficit.....	<u>\$ 259,736</u>	<u>\$ 53,549</u>	<u>\$ 137,690</u>	<u>\$ 38,048</u>

CAPITAL EXPENDITURE

Expenditures on fixed assets charged to capital during 1939 amounted to \$1,578,153. An additional sum of \$264,629, charged to replacement reserve, was expended on replacement of physical assets, the total outlay being \$1,842,782, as follows:

CAPITAL—		
Halifax.....	\$	138,156
Saint John.....		46,566
Chicoutimi.....		134
Quebec.....		454,047
Three Rivers.....		2,770
Montreal.....		837,509
Vancouver.....		98,971
		<u>1,578,153</u>
Replacement of Physical Assets—		
Halifax.....	\$	75,298
Montreal.....		141,776
Vancouver.....		47,555
		<u>264,629</u>
		<u>\$ 1,842,782</u>

The expenditures charged to capital are financed by advances from the Dominion Treasury, on which interest at the rate of $3\frac{1}{2}$ per cent per annum is charged.

The book value of fixed assets as at December 31, 1939, was \$224,643,925.

Capital works are referred to in detail in the data submitted for each harbour.

RETIREMENT OF DEBT

Maturing debentures held by the public in respect of the harbour of Saint John, amounting to \$7,000, were redeemed by an advance from the Dominion Treasury on the same terms as for capital expenditures.

As provided by Section 31 of The National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

Payments, amounting to \$470,586, have been made from the Dominion Treasury to cover cash deficits as follows: Quebec, \$47,413; Churchill, \$46,492; Jacques Cartier Bridge \$376,681.

The total sum required from the Dominion Treasury for the year amounted to \$2,055,739, made up of capital expenditures, \$1,578,153; retirement of debt, \$7,000; and deficits, \$470,586.

Payments made to the Dominion Treasury total \$2,968,760, made up of interest on advances, \$2,825,000; earnings of Port Colborne elevator, \$100,000; and refund of advances for capital expenditures, \$43,760.

Reserves in the form of security or cash balances on deposit with the Receiver General as at December 31, had a book value of \$7,255,000, the net increase during the year being \$1,694,868. These earnings have been set aside for the replacement of physical properties and for insurance and workmen's compensation funds.

AUDIT

The Auditor General of Canada has carried on a continuous audit of the accounts.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, supplemented by details of shipping, traffic and works carried on during the year are appended to this report.

Respectfully submitted,
R. O. CAMPNEY,
Chairman.

A. E. DUBUC,
Vice-Chairman and Chief Engineer.

B. J. ROBERTS,
Member.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES—

Harbour General—

Harbour Dues.....	\$ 234,528 84
Cargo Rates.....	451,810 06
Miscellaneous.....	346,242 12
	<u>\$ 1,032,581 02</u>

Wharves and Piers—

Top Wharfage.....	2,683,537 64
Dockage.....	547,318 64
Miscellaneous.....	374,822 34
	<u>3,605,678 62</u>

Permanent Sheds—

Shed Rentals.....	362,235 54
Storage.....	107,046 45
Miscellaneous.....	47,586 45
	<u>516,868 44</u>

Shed Hoists.....

26,306 00

Railway System.....

603,461 43

Grain Elevator System—

Elevation.....	952,492 23
Storage.....	777,259 72
Rentals.....	324,442 63
Miscellaneous.....	27,153 77
	<u>2,081,348 35</u>

Cold Storage System—

Storage.....	314,419 16
Miscellaneous.....	110,821 86
	<u>425,241 02</u>

Miscellaneous—Outsiders.....

228,307 46

Bridge Tolls and Sundry Receipts.....

573,348 42

\$ 9,093,140 76

OPERATING EXPENSES—

Administration.....

597,345 19

Operation and Maintenance—

Harbour Dredging.....	196,705 82
Harbour General.....	572,164 35
Vehicular Bridges.....	3,902 06
Roads, Fences and Boundaries.....	60,443 09
Sewers and Drains.....	7,596 52
Wharves and Piers.....	249,702 87
Permanent Sheds.....	345,929 61
Shed Hoists.....	20,042 33
Railway System.....	565,173 84
Grain Elevator System.....	916,738 25
Cold Storage System.....	392,105 63
Miscellaneous Outsiders.....	191,813 47
Departmental Services.....	15,120 06
Bridges.....	124,038 30
	<u>3,661,476 20</u>

4,258,821 39

Operating Income.....

4,834,319 37

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....

240,168 38

MISCELLANEOUS INCOME CREDITS.....

16,588 04

256,756 42

Total Income.....

5,091,075 79

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	235,466 68
Reserve for Bad Debts.....	6,171 32
Miscellaneous Income Charges.....	14,342 23
Trustees Fees, Commissions, Bond Discount, etc.....	64,607 99
	<u>320,588 22</u>

Income Available for Interest due Public.....

4,770,487 57

INTEREST ON DEBT TO THE PUBLIC.....

1,046,974 593,723,512 98

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,792,501 25
Reserve for Depreciation.....	166,139 00
Interest due Dominion Government.....	6,939,165 29
	<u>8,897,805 54</u>

5,174,292 56

Deduct:

Special Contributions to Deficit (Bridge-Montreal)..... 300,000 00Net Income Deficit..... \$ 4,874,292 56

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,258,187 55	
Real Estate.....	12,754,898 89	
Vehicular Bridges.....	300,543 82	
Roads, Fences and Boundaries.....	1,756,422 26	
Sewers and Drains.....	696,744 42	
Miscellaneous Structures.....	733,330 16	
Wharves and Piers.....	86,995,701 97	
Permanent Sheds.....	19,942,962 33	
Shed Hoists and Electric Cranes.....	235,271 24	
Railway System.....	8,442,277 70	
Grain Elevator System.....	41,836,915 14	
Cold Storage System.....	5,542,485 71	
Office Furniture and Appliances.....	130,060 48	
Harbour Buildings.....	737,351 91	
Central Heating Plants.....	173,192 06	
Harbour Shops.....	334,993 43	
Electric Power System.....	1,344,491 92	
Water Supply System.....	729,532 82	
Floating Equipment.....	2,240,838 26	
Shore Equipment.....	584,701 26	
Miscellaneous Small Plant.....	581,055 01	
Engineering-General Surveys.....	606,402 98	
Works under Construction.....	823,682 67	
Sundry Expenditure-Undistributed.....	5,297,865 94	
Bridge Construction and Right-of-Way, etc.....	19,564,015 57	
		<u>\$ 224,643,925 50</u>

CURRENT—

Cash.....	949,993 66	
Accounts Receivable.....	1,435,525 59	
Advances due on Capital Account.....	63,392 37	
Advances due on Deficit Account.....	7,798 78	
Stores on Hand.....	447,455 53	
Accrued Revenue.....	170,001 25	

INVESTMENTS.....

SECURITY DEPOSITS.....	3,074,167 18	
REPLACEMENT FUND.....	44,693 00	
FIRE AND GENERAL INSURANCE FUND.....	222,067 52	
GENERAL WORKMEN'S COMPENSATION FUND.....	6,796,216 12	
MISCELLANEOUS FUNDS.....	354,635 09	
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	104,148 31	
PREPAID CHARGES.....	116,200 27	
DEFERRED DEBITS.....	263,911 14	
	28,951 48	
	240,992 79	

\$ 235,889,908 40

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1939

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....	\$	21,051,737	82
DOMINION GOVERNMENT ACCOUNT			
Loans and Advances (Interest Bearing).....	\$	154,307,404	97
Expenditure under Appropriations.....		49,242,933	23
Government Loans Applied for—Contra.....		63,392	37
		<u>203,613,730</u>	57
ACCOUNTS PAYABLE—CONSTRUCTION.....		252,402	39
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		24,566	55
CURRENT			
Accounts Payable.....		306,360	08
Salaries and Wages Payable.....		33,109	55
Matured Interest Unpaid—			
Due Public.....		20,506	46
Due Dominion Government.....		43,431,416	71
Accrued Interest due Public.....		185,322	56
Contractors' Holdbacks—Maintenance.....		6,534	70
Unclaimed Wages.....		531	10
Other Current Liabilities.....		4,648	97
		<u>43,988,430</u>	13
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		222,067	52
RESERVES			
Replacement.....		8,480,178	34
Fire and General Insurance.....		354,635	09
General Workmen's Compensation.....		104,148	31
Miscellaneous.....		1,422,043	74
		<u>10,361,005</u>	48
DEFERRED CREDITS.....		282,637	49
		<u>279,796,577</u>	95
SURPLUS AND DEFICIT ACCOUNT			
Deficit as at December 31, 1938.....		38,913,344	44
Adjustments in 1939.....		212,937	12
Net Income Deficit for 1939.....		4,874,292	56
		<u>44,000,574</u>	12
Deduct:			
Government Grants.....		93,904	57
		<u>43,906,669</u>	55
	\$	<u>235,889,908</u>	40

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the Ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates 7 main piers and wharves having about 13,600 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,273,000 square feet. In addition, the Board manages a 2,200,000 bushel grain elevator with a maximum loading capacity of 90,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,000,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

SHIPPING

Vessels entering the harbour during 1939, in comparison with 1938, increased in number by 432, or 13 per cent, and in net registered tonnage by 2,019,976 tons, or 50 per cent. The increase shown was largely in deepsea shipping occasioned in part by the exigencies of war; in this class of shipping there was an increase in vessels of 498, or 47 per cent, and in net registered tonnage of 2,039,108 tons, or 54 per cent. Arrivals of fishing vessels also showed a substantial increase, the number of vessels being 257, or 30 per cent, greater. Coastal or inland shipping showed a decrease in vessels of 339, or 27 per cent, and in net registered tonnage of 53,460 tons, or 37 per cent.

VESSELS—ARRIVALS AND DEPARTURES

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Halifax during the calendar year 1939, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	3,656	6,054,412
Departures.....	3,643	6,034,816
Total 1939.....	7,299	12,089,228
“ 1938.....	6,428	8,041,982
“ 1937.....	6,479	8,100,797
“ 1936.....	6,094	7,525,916
“ 1935.....	5,907	7,687,153

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Halifax during the calendar year 1939 with comparison for 1938.

Classification	1939		1938	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	1,561	5,840,359	1,063	3,801,251
2. Coastal or inland.....	934	91,518	1,273	144,978
3. Fishery.....	1,103	67,545	846	58,132
4. All others.....	58	54,990	42	30,075
5. Total.....	3,656	6,054,412	3,224	4,034,436
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	1,555	5,820,207	1,054	3,776,373
2. Coastal or inland.....	930	91,816	1,265	145,260
3. Fishery.....	1,102	67,308	842	57,897
4. All others.....	56	55,485	43	28,016
5. Total.....	3,643	6,034,816	3,204	4,007,546
Total Arrivals and Departures.....	7,299	12,089,228	6,428	8,041,982

TRAFFIC

Cargo tonnage increased by 209,677 tons, or 10 per cent, over 1938. The principal increases were in petroleum and petroleum products (except gasoline), bituminous coal, lumber and other forest products, flour, grain, and ores and concentrates (except copper). The chief decreases were in gasoline, sugar, anthracite, fresh apples, newsprint and automobiles.

The volume of goods handled at the cold storage terminal continued to increase and in 1939 reached the highest figure since operations began.

CARGO TONNAGE—FOREIGN AND DOMESTIC

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Halifax during the calendar year 1939, with comparisons for the previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	1,043,168	690,345	1,733,513
Domestic.....	223,488	307,187	530,675
Total 1939.....	1,266,656	997,532	2,264,188
“ 1938.....	1,171,922	882,589	2,054,511
“ 1937.....	1,334,412	1,041,797	2,376,209
“ 1936.....	1,260,100	880,358	2,140,458
“ 1935.....	1,212,386	983,443	*2,195,829

*Inclusive of cross harbour movements and bunkering, excluded in figures for 1936 to 1939.

CARGO TONNAGE—COMMODITIES

Statement showing the principal commodities of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Halifax during the calendar year 1939, with comparisons for 1938.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1939	Outward 1939	Total 1939	Total 1938
	(Tons)	(Tons)	(Tons)	Tons)
Petroleum, crude.....	693,813	17,429	711,242	606,995
Gasoline.....	27,090	219,534	246,624	260,084
Coal, bituminous.....	121,978	368	122,346	82,949
Lumber, Timber, Box, Crate and Cooperage Material	1,654	105,464	107,118	83,413
Flour.....	6,838	89,547	96,385	65,879
Fish.....	52,215	40,193	92,408	95,358
Grain.....	9,406	77,550	86,956	31,001
Sugar.....	59,208	7,935	67,143	76,961
Petroleum Products (except gasoline).....	4,381	56,617	60,998	5,905
Base Bullion, Matte, Pig and Ingot (non-ferrous metals)	1,726	54,412	56,138	49,516
Coal, anthracite.....	53,945	80	54,025	71,575
Apples, fresh.....	2,096	51,686	53,782	99,493
Newsprint.....	3,723	26,578	30,301	49,625
Cement.....	25,963	370	26,333	23,798
Automobiles, Auto Trucks and Auto Parts.....	388	24,217	24,605	39,249
Canned Goods (except meats).....	3,307	18,520	21,827	16,085
Rubber, crude.....	21,084	.....	21,084	14,283
Ores and Concentrates (except copper).....	5,887	13,489	19,376	4,252
Potatoes.....	546	18,448	18,994	18,338
Dressed Meats.....	1,272	16,801	18,073	17,018
Mill Products (except flour).....	2,278	12,208	14,486	16,502
Fruit, fresh (except apples).....	11,056	800	11,856	16,624
Pulpwood.....	3,667	8,053	11,720	6,149
Oil, palm.....	10,783	.....	10,783	18,693
Salt.....	6,259	1,419	7,678	10,176
Vegetables, fresh (except potatoes).....	4,795	2,459	7,254	7,488
Fertilizers.....	5,179	1,973	7,152	10,323
Paper Board, Pulpboard and Wallboard (paper).....	220	6,615	6,835	10,220
Packing House Products, edible (except dressed meats).....	1,506	4,368	5,874	7,678
Iron and Steel (Bar, Sheet, Structural, Pipe).....	2,076	2,809	4,885	7,128
Coke.....	1,444	1,206	2,650	5,183
Woodpulp.....	51	2,111	2,162	5,651
Ores and Concentrates, copper.....	40	.....	40	6,220

PASSENGERS

Statement showing the number of passengers landed and embarked by vessels at the harbour of Halifax during the calendar year 1939, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	16,156	11,967	28,123
Coastwise.....	173	188	361
Total 1939.....	16,329	12,155	28,484
“ 1938.....	13,646	10,616	24,262
“ 1937.....	16,056	14,244	30,300
“ 1936.....	9,677	8,375	18,052
“ 1935.....	*11,055	10,814	21,869

*Figure is incomplete. Records not available for privately owned piers for this year.

GRAIN ELEVATOR

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Halifax during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....	308,263	2,495,772	2,804,035
Via rail.....	4,093,051	274,879	4,367,930
Via other.....		274,666	274,666
Total 1939.....	4,401,314	3,045,317	7,446,631
“ 1938.....	1,077,994	880,306	1,958,300
“ 1937.....	2,450,495	4,440,160	6,890,655
“ 1936.....	3,604,141	3,405,636	7,009,777
“ 1935.....	3,917,678	4,785,678	8,703,356

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$84,133.90. The larger items were the reconditioning of concrete piles in the sub-structure of Pier 2, Deep Water Terminals; the removal and replacement of a portion of the concrete deck of Pier 2 to permit the relaying of the rails in the north spur track to the Pier; the replacement in concrete of the timber floor and foundation of the stevedores' rest room at Deep Water Terminals and the erection of special barrier fences, roadway gates, sentry boxes and special lighting for necessary protection, due to war conditions.

CAPITAL WORKS

During the current year, total expenditures on capital and replacement works amounted to \$213,454.00, the following constituting the principal items:

Cold Storage Annex.—In October, 1939, a contract was awarded for the construction of a four-storey reinforced concrete and timber annex to the Cold Storage Terminal to be used for the freezing and storing of bait fish and fish food products. This annex, when completed, will increase the daily freezing capacity of the cold storage plant by 50 tons and its storage capacity by 1,100 tons. Substantial progress was made with this project during 1939 and the annex will be in operation by April, 1940.

Egg Storage Facilities.—An insulated storage room with cooling bunker, coils, air ducts, fans, etc., specially adapted for the storage of eggs and with a capacity of approximately 1,600 crates, was provided in the cold storage warehouse and put into operation in May, 1939.

Grain Shipping Gallery 24 Reconstruction.—A contract was awarded in July, 1939, for the removal of wooden grain galleries 23 and 24 and the reconstruction, in steel and concrete, of gallery 24. The new gallery will be equipped with four conveyor belts and seven delivery spouts re-arranged to provide economies of operation. The major part of this project was completed in 1939 and the gallery was put into operation in February, 1940.

Pier 9 Extension, Richmond Terminal—Installation of Service Facilities.—During the year, contracts were let and completed for paving the road leading to this pier and for laying fresh water supply and a lighting system was installed. The necessary arrangements were made and completed to provide adequate trackage facilities. This pier is now fully equipped as an open berth.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$744,470, an increase of \$144,613 over the previous year. Operating and maintenance expenses amounted to \$420,841, as against \$420,765 in the previous year, an increase of \$76. The net operating income of \$323,628 showed an increase of \$144,537 over 1938.

After charging reserve for replacements and interest due the Dominion Government, the year's operations resulted in a net income deficit of \$444,907 as compared with \$582,537 the previous year.

HARBOUR OF HALIFAX

19

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 35,976 58	
Miscellaneous.....	5,317 71	
	<u>\$</u>	41,294 29

Wharves and Piers

Top Wharfage.....	259,374 98	
Dockage.....	97,452 89	
Miscellaneous.....	19,325 60	
	<u></u>	376,153 47

Permanent Sheds

Shed Rentals.....	19,176 22	
Storage.....	25,224 88	
Miscellaneous.....	26,759 93	
	<u></u>	71,161 03

Grain Elevator System

Elevation.....	21,923 82	
Storage.....	20,531 89	
Miscellaneous.....	251 78	
	<u></u>	42,707 49

Cold Storage System

Storage.....	134,565 02	
Miscellaneous.....	54,943 76	
	<u></u>	189,508 78

Miscellaneous—Outsiders.....

	23,644 65	
	<u>\$</u>	744,469 71

OPERATING EXPENSES

Administration.....	51,658 90
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Operation and Maintenance

Harbour General.....	42,969 84	
Roads, Fences and Boundaries.....	3,285 06	
Sewers and Drains.....	247 03	
Wharves and Piers.....	31,750 83	
Permanent Sheds.....	108,728 66	
Grain Elevator System.....	49,637 71	
Cold Storage System.....	119,871 51	
Miscellaneous—Outsiders.....	12,617 91	
Departmental Services.....	73 85	
	<u></u>	369,182 40
		<u>420,841 30</u>

Operating Income.....	323,628 41
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INCOME RECEIVED FROM RESERVE FUNDS.....	8,705 70
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MISCELLANEOUS INCOME CREDITS.....	638 76	
	<u></u>	9,344 46

Total Income.....	332,972 87
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	8,705 70	
Reserve for Bad Debts.....	695 78	
	<u></u>	9,401 48
		<u>323,571 39</u>

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	568,478 53	
	<u></u>	768,478 53

Net Income Deficit.....	\$ 444,907 14
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Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS

FIXED	
Harbour Dredging.....	\$ 160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	238,737 01
Sewers and Drains.....	60,611 27
Miscellaneous Structures.....	28,387 08
Wharves and Piers.....	16,065,589 47
Permanent Sheds.....	4,993,480 46
Grain Elevator System.....	2,348,442 09
Cold Storage System.....	1,743,094 48
Office Furniture and Appliances.....	27,500 84
Central Heating Plants.....	65,316 59
Electric Power System.....	39,707 87
Water Supply System.....	99,339 32
Floating Equipment.....	2,968 01
Shore Equipment.....	52,696 37
Miscellaneous Small Plant.....	69,305 42
Engineering—General Surveys.....	475,501 67
Works under Construction.....	182,875 63
CURRENT	
Cash—Receiver General of Canada.....	\$ 58,307 22
Cash—On Hand.....	549 40
Accounts Receivable.....	135,265 48
Less—Reserve for Bad Debts.....	2,531 70
Advances due on Capital Account.....	
Stores on Hand.....	21,278 05
Accrued Revenue.....	17,405 87
	<hr/>
	230,965 99
	<hr/>
	73,397 86
	469,984 91
	32,514 10
	17,220 00
	204 29
	<hr/>
	27,187,070 55

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest bearing).....	\$ 12,280,084 87
Expenditure under Appropriations.....	14,762,404 61
Government Loans Applied for—Contra.....	691 67
	<hr/>
	27,043,181 15
	83,092 83
	<hr/>
	18,128 54
ACCOUNTS PAYABLE—CONSTRUCTION	
CONTRACTORS' HOLDBACKS—CONSTRUCTION	
CURRENT	
Accounts Payable.....	36,257 74
Salaries and Wages Payable.....	5,541 42
Matured Interest Unpaid—	
Due Public.....	\$ 2,220 00
Due Dominion Government.....	3,353,754 28
Contractors' Holdbacks—Maintenance.....	3,355,974 28
	<hr/>
	1,061 47
CONTRACTORS' SECURITY DEPOSITS—CONTRA	
	<hr/>
	3,398,834 91
	73,397 86
	<hr/>
RESERVES	
Replacement.....	809,984 91
Fire and General Insurance.....	32,514 10
	<hr/>
	842,499 01
DEFERRED CREDITS	
	<hr/>
	1,591 28
	<hr/>
	31,460,725 58
SURPLUS AND DEFICIT ACCOUNT	
Deficit as at December 31, 1938.....	3,005,813 00
Net Income Deficit for 1939.....	444,907 14
	<hr/>
	3,450,720 14
Deduct	
Adjustments in 1939.....	1,352 26
	<hr/>
	3,449,367 88
	<hr/>
	\$ 28,011,357 70

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both Canadian Pacific and Canadian National railways. It is accessible from the sea by a main channel six hundred feet wide with a minimum depth of thirty feet at extreme low tide. Here the Board operates 19 deep water wharves having some 11,800 linear feet of berthing with available drafts alongside varying from 25 feet to 35 feet at extreme low water and 16 transit sheds, including two frost-proof sheds, with an aggregate floor space of 745,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to 9 of the berths by over two miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. A 45-ton fixed derrick is available at berth 1, Navy Island.

SHIPPING

Vessels entering the harbour during 1939 increased in number by 151, or 7 per cent, while the total net registered tonnage was approximately the same as in 1938. Deepsea shipping showed a decrease in vessels of 33, or 5 per cent, and in net registered tonnage of 16,447 tons, or 1 per cent. Coastal or inland shipping showed an increase in vessels of 88, or 6 per cent, and in net registered tonnage of 26,202 tons, or 3.5 per cent. There was also a substantial increase in arrivals of fishing vessels.

VESSELS—ARRIVALS AND DEPARTURES

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Saint John during the calendar year 1939, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	2,320	2,500,598
Departures.....	2,323	2,512,955
Total 1939.....	4,643	5,013,553
“ 1938.....	4,335	4,991,848
“ 1937.....	4,203	5,005,643
“ 1936.....	3,903	4,830,884
“ 1935.....	3,904	4,677,660

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Saint John during the calendar year 1939 with comparison for 1938.

Classification	1939		1938	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	591	1,714,162	624	1,730,609
2. Coastal or inland.....	1,473	771,738	1,385	745,536
3. Fishery.....	201	1,805	93	1,018
4. All others.....	55	12,893	67	27,385
5. Total.....	2,320	2,500,598	2,169	2,504,548
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	586	1,725,547	619	1,716,569
2. Coastal or inland.....	1,469	772,598	1,381	742,073
3. Fishery.....	213	1,917	99	1,273
4. All others.....	55	12,893	67	27,385
5. Total.....	2,323	2,512,955	2,166	2,487,300
Total Arrivals and Departures.....	4,643	5,013,553	4,335	4,991,848

TRAFFIC

Cargo tonnage showed a slight increase in the aggregate over 1938. Substantial increases were recorded in lumber and other forest products, coal, flour and petroleum products, while marked decreases were shown in pulpwood, automobiles, newsprint and fresh fruit.

CARGO TONNAGE—FOREIGN AND DOMESTIC

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Saint John during the calendar year 1939, with comparisons for the previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	434,655	1,096,450	1,531,105
Domestic.....	314,757	103,462	418,219
Total 1939.....	749,412	1,199,912	1,949,324
“ 1938.....	707,912	1,225,613	1,933,525
“ 1937.....	773,742	1,244,670	2,018,412
“ 1936.....	704,528	1,019,833	1,724,361
“ 1935.....	620,303	808,412	1,428,715

CARGO TONNAGE—COMMODITIES

Statement showing the principal commodities of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Saint John during the calendar year 1939, with comparisons for 1938.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1939	Outward 1939	Total 1939	Total 1938
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	4,242	244,459	248,701	242,096
Lumber, Timber, Box, Crate and Cooperage Material	18,288	137,869	156,157	128,080
Coal, bituminous.....	141,843	9,739	151,582	121,125
Pulpwood.....		127,888	127,888	189,193
Sugar.....	100,233	13,963	114,196	107,613
Flour.....	544	102,960	103,504	59,432
Gasoline.....	82,053	12,316	94,369	82,077
Automobiles, Auto Trucks and Auto Parts.....	940	80,185	81,125	91,229
Coal, anthracite.....	77,201		77,201	70,795
Newsprint.....		62,046	62,046	94,935
Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	7,904	44,879	52,783	61,046
Fertilizers.....	48,608	167	48,775	42,378
Mill Products (except flour).....	1,396	32,536	33,932	26,675
Dressed Meats.....	766	31,543	32,309	32,544
Potatoes.....	38	31,465	31,503	24,602
Petroleum Products (except gasoline).....	29,067	870	29,937	24,363
Paper Board, Pulpboard and Wallboard (paper).....	125	18,267	18,392	19,908
Packing House Products, edible (except dressed meats)	1,524	16,075	17,599	15,476
Canned Goods (except meats).....	2,849	13,639	16,488	6,986
Fruit, fresh.....	12,608	3,257	15,865	29,082
Wood Pulp.....	98	15,656	15,754	24,726
Logs, Posts, Poles, Piling.....		15,206	15,206	10,471
Iron and Steel (Bar, Sheet, Structural, Pipe).....	3,460	7,785	11,245	13,718
Ores and Concentrates.....	11	7,911	7,922	12,515
Agricultural Implements and vehicles (except autos) .	3,059	3,810	6,869	5,633
Household Goods and Settlers' Effects.....	2,091	4,004	6,095	3,668
Castings, Machinery and Boilers.....	3,264	2,075	5,339	6,362
Fish.....	1,609	3,614	5,223	4,550

PASSENGERS

Statement showing the number of passengers landed and embarked by vessels at the harbour of Saint John during the calendar year 1939, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	8,289	8,458	16,747
Coastwise.....	14,425	14,915	29,340
Total 1939.....	22,714	23,373	46,087
“ 1938.....	31,488	33,540	65,028
“ 1937.....	40,502	39,632	80,134
“ 1936.....	33,009	31,013	64,022

(Comparative figures for 1935 not available)

GRAIN ELEVATORS

Statement showing the total quantity of grain handled at terminal elevators at the harbour of Saint John during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....	140,054	879,357	1,019,411
Via rail.....	10,409,057	7,877,104	18,286,161
Via other.....			
Total 1939.....	10,549,111	8,756,461	19,305,572
“ 1938.....	7,462,669	8,354,284	15,816,953
“ 1937.....	11,442,439	12,224,325	23,666,764
“ 1936.....	12,654,785	12,311,139	24,965,924
“ 1935.....	6,961,250	6,803,829	13,765,070

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$107,746.03. The larger items were the dredging of thirteen deep water berths and the central areas of two slips to a minimum depth of 30 feet at extreme low tide; the reconditioning of disintegrated concrete in wharves 12 and 14; the reconstruction of the deck of the railway trestle in the centre of long wharf, and the painting of sheds 1, 2 and 3.

CAPITAL WORKS

During 1939, total expenditures on capital works amounted to \$46,566.00, the following constituting the principal items:

Dredging Sand Point Slip.—In August 1939, a contract was awarded for dredging the central area of Sand Point Slip together with maintenance dredging in other berths. Work in Sand Point Slip was finished in October, allowing ships to be moved directly from one berth to another in the slip without departing therefrom.

Dredging Courtenay Bay Entrance Channel.—In October 1939, a contract was awarded for dredging the Entrance Channel to Courtenay Bay to a depth of 17 feet below extreme low water and for a width of 400 feet outside and 200 feet inside the outer end of the breakwater. At the end of the year a minimum channel depth of 13 feet at extreme low tide was available and the final 17 foot depth will be available in the Spring of 1940.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$466,004, an increase of \$20,278 over the previous year. Operating and maintenance expenses were \$237,882, being \$4,662 less than 1938 when such expenditures amounted to \$242,544.

After taking into account income debits and credits, paying interest on debt to the public of \$72,263 and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$826,685 as against a deficit, in 1938, of \$844,429, a decrease of \$17,744.

REDEMPTION OF DEBENTURES

Debenture indebtedness to the public, in the amount of \$7,000, was paid off during the year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES—

Harbour General		
Harbour Dues.....	\$ 16,181 09	
Miscellaneous.....	13,899 26	
	<u>\$ 30,080 35</u>	
Wharves and Piers		
Top Wharfage.....	274,337 32	
Dockage.....	99,055 20	
	<u>373,392 52</u>	
Permanent Sheds		
Shed Rentals.....	22,618 16	
Storage.....	6,788 84	
Miscellaneous.....	2,216 59	
	<u>31,623 59</u>	
Shed Hoists (Crane).....		314 00
Railway System.....		216 50
Grain Elevator System		
Receipts from joint operation.....		22,449 86
Miscellaneous—Outsiders.....		7,926 95
		<u>\$ 466,003 77</u>

OPERATING EXPENSES—

Administration.....		33,678 42
Operation and Maintenance		
Harbour Dredging.....	64,541 34	
Harbour General.....	37,709 14	
Vehicular Bridges.....	543 52	
Roads, Fences and Boundaries.....	2,364 89	
Sewers and Drains.....	79 78	
Wharves and Piers.....	31,683 15	
Permanent Sheds.....	51,753 76	
Shed Hoists (Crane).....	270 94	
Grain Elevator System.....	8,459 28	
Miscellaneous—Outsiders.....	6,797 47	
	<u>204,203 27</u>	
		<u>237,881 69</u>
Operating Income.....		228,122 08

INCOME RECEIVED FROM RESERVE FUNDS.....	9,846 52	
MISCELLANEOUS INCOME CREDITS.....	491 80	
	<u>10,338 32</u>	
Total Income.....		<u>238,460 40</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	9,846 52	
Miscellaneous Income Charges.....	1,884 96	
	<u>11,731 48</u>	
Income Available for Interest due Public.....		226,728 92

INTEREST ON DEBT TO THE PUBLIC.....	72,262 59	
	<u>154,466 33</u>	

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	781,151 00	
	<u>981,151 00</u>	
Net Income <i>Deficit</i>		<u>\$ 826,684 67</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 130 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 30 feet draft, a concrete fireproof shed 400 feet by 60 feet, a frame shed 150 feet by 40 feet and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

SHIPPING

Vessels entering the harbour during 1939, in comparison with 1938, decreased in number by only 3, but increased in net registered tonnage by 12,652 tons, or 22 per cent. Deepsea shipping showed an increase of 7 per cent, and coastal or inland shipping an increase of 31 per cent, in net registered tonnage.

VESSELS—ARRIVALS AND DEPARTURES

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Chicoutimi during the calendar year 1939, with comparisons for previous years

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	184	70,385
Departures.....	184	70,385
Total 1939.....	368	140,770
“ 1938.....	374	115,466
“ 1937.....	423	117,340
“ 1936.....	406	85,026
“ 1935.....	346	72,739

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Chicoutimi during the calendar year 1939 with comparison for 1938

Classification	1939		1938	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	6	13,401	5	12,520
2. Coastal or inland.....	167	55,713	167	42,423
3. All others.....	11	1,271	15	2,790
4. Total.....	184	70,385	187	57,733
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	6	13,401	5	12,520
2. Coastal or inland.....	167	55,713	167	42,423
3. All others.....	11	1,271	15	2,790
4. Total.....	184	70,385	187	57,733
Total Arrivals and Departures.....	368	140,770	374	115,466

TRAFFIC

Cargo tonnage increased by 19,338 tons, or 34.5 per cent, over 1938. This increase was due largely to a substantial increase in shipments of bituminous coal.

CARGO TONNAGE—FOREIGN AND DOMESTIC

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Chicoutimi during the calendar year 1939, with comparisons for the previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu.ft.)

Classification	Inward (Tons)	Outward (Tons)	Total (Tons)
Foreign.....	31,954	.....	31,954
Domestic.....	40,972	1,607	42,579
Total 1939.....	72,926	1,607	74,533
“ 1938.....	50,619	4,576	55,195
“ 1937.....	111,918	4,514	116,432
“ 1936.....	67,436	5,808	73,244
“ 1935.....	41,190	5,125	46,315

CARGO TONNAGE—COMMODITIES

Statement showing the principal commodities of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Chicoutimi during the calendar year 1939, with comparisons for 1938.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1939 (Tons)	Outward 1939 (Tons)	Total 1939 (Tons)	Total 1938 (Tons)
Coal, bituminous.....	48,825	.....	48,825	26,248
Coal, anthracite.....	9,229	.....	9,229	9,443
Liquor Beverages.....	1,520	475	1,995	2,416
Flour and other Mill Products.....	1,827	69	1,896	950
Grain.....	1,351	56	1,407	842
Sugar.....	1,330	10	1,340	1,568
Salt.....	1,131	5	1,136	984
Canned Goods (except meats).....	776	6	782	549
Hay and straw.....	490	1	491	512

PASSENGERS

Statement showing the number of passengers landed and embarked by vessels at the harbour of Chicoutimi during the calendar year 1939, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	12	.....	12
Coastwise.....	2,084	2,087	4,171
Total 1939.....	2,096	2,087	4,183
“ 1938.....	2,526	2,597	5,123
“ 1937.....	438	435	873

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$4,040. The principal item was repairs to the west end wooden wharf.

REVENUES AND EXPENDITURES

Operating revenues totalled \$20,414 and operating and maintenance expenses \$14,078. Revenue was down \$840 and expenses up \$704 as compared with the previous year.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$210,850, compared with a deficit of \$207,758 in 1938.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES—

Harbour General		
Harbour Dues.....	\$ 443 33	
Miscellaneous.....	240 00	
	<u>\$</u>	683 33
Wharves and Piers		
Top Wharfage.....	8,649 71	
Dockage.....	1,267 62	
Miscellaneous.....	7,497 63	
	<u></u>	17,414 96
Permanent Sheds		
Shed Rentals.....	883 33	
Storage.....	1,030 87	
	<u></u>	1,914 20
Railway System.....		166 50
Miscellaneous—Outsiders.....		234 83
		<u>\$</u> 20,413 82

OPERATING EXPENSES—

Administration.....		6,160 95
Operation and Maintenance—		
Harbour General.....	1,654 97	
Roads, Fences and Boundaries.....	125 50	
Wharves and Piers.....	3,789 74	
Permanent Sheds.....	1,001 41	
Railway System.....	1,166 86	
Miscellaneous—Outsiders.....	178 25	
	<u></u>	7,916 73
		<u>14,077 68</u>
Operating Income.....		6,336 14

INCOME RECEIVED FROM RESERVE FUNDS..... 67 70

MISCELLANEOUS INCOME CREDITS..... 8 00

75 70

Total Income..... 6,411 84

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves..... 67 70

6,344 14

OTHER INCOME REQUIREMENTS—

Reserve for Replacements..... 30,000 00

Interest due Dominion Government..... 187,194 29

217,194 29

Net Income Deficit..... \$ 210,850 15

Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS		LIABILITIES	
FIXED		DOMINION GOVERNMENT ACCOUNT	
Harbour Dredging.....	\$ 467,172 01	Loans and Advances (Interest bearing)...	\$ 3,837,793 78
Real Estate.....	35,505 17	Expenditure under Appropriations.....	505,398 32
Roads, Fences and Boundaries.....	115,905 96		4,343,192 10
Sewers and Drains.....	165,653 09		
Miscellaneous Structures.....	261 15		
Wharves and Piers.....	3,302,120 69	CURRENT	
Permanent Sheds.....	125,212 20	Accounts Payable.....	53 91
Manure and Fertilizers.....	47,524 71	Matured Interest due Dominion Government	1,414,655 23
Railway System.....	4,576 67	Unclaimed Wages.....	22 30
Office Furniture and Appliances.....	2,113 45		1,414,731 44
Harbour Shops.....	516 28		
Electric Power System.....	17,177 13	RESERVES	
Water Supply System.....	31,751 64	Replacement.....	120,000 00
Floating Equipment.....	803 66	Fire and General Insurance.....	2,736 47
Shore Equipment.....	103 95		122,736 47
Miscellaneous Small Plant.....	18,375 66		
Engineering—General Surveys.....		DEFERRED CREDITS.....	1,238 65
	\$ 4,334,773 42		5,881,898 66
CURRENT			
Cash—Receiver General of Canada.....	18,359 13		
Accounts Receivable.....	4,116 63		
Stores on Hand.....	783 95		
FIRE AND GENERAL INSURANCE FUND.....	23,259 71	SURPLUS AND DEFICIT ACCOUNT	
	2,736 47	Deficit as at Dec. 31, 1938.....	1,302,442 81
		Adjustments in 1939.....	7,227 51
		Net Income Deficit for 1939.....	210,850 15
			1,520,520 47
PREPAID CHARGES.....	608 59		
	\$ 4,361,378 19		\$ 4,361,378 19

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles Rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 32 miles of standard gauge terminal railway, connected with both Canadian Railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also, a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 50 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

SHIPPING

Vessels entering the harbour during 1939, in comparison with 1938, decreased in number by 132, or 3 per cent, and in net registered tonnage by 794,198 tons, or 16 per cent. The decrease shown was largely in deepsea shipping occasioned in part by disturbances which followed the outbreak of war; in this class of shipping there was a decrease in vessels of 21, or 5 per cent, and in net registered tonnage of 394,640 tons, or 17 per cent. There was also a slight decrease in coastal or inland shipping.

VESSELS—ARRIVALS AND DEPARTURES

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Quebec, during the calendar year 1939, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	3,766	4,219,192
Departures.....	3,758	4,217,702
Total 1939.....	7,524	8,436,894
“ 1938.....	7,793	10,021,768
“ 1937.....	8,268	8,216,532
“ 1936.....	6,204	8,169,819

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Quebec during the calendar year 1939 with comparison for 1938.

Classification	1939		1938	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	376	1,929,535	397	2,324,175
2. Coastal or inland.....	3,331	1,725,149	3,411	1,814,402
3. All others.....	59	564,508	90	874,813
4. Total.....	3,766	4,219,192	3,898	5,013,390
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	376	1,929,535	397	2,324,175
2. Coastal or inland.....	3,323	1,723,659	3,408	1,809,390
3. All others.....	59	564,508	90	874,813
4. Total.....	3,758	4,217,702	3,895	5,008,378
Total Arrivals and Departures.....	7,524	8,436,894	7,793	10,021,768

TRAFFIC

Cargo tonnage in the aggregate recorded a slight decrease due principally to reductions in grain, crude petroleum, lumber and other forest products. Substantial increases, however, were shown in bituminous coal, newsprint, gasoline, ores and concentrates (except iron) and sulphur.

Goods handled in the cold storage terminal reached the highest volume since 1934.

Revenue cars handled by the Board's terminal railway increased slightly.

CARGO TONNAGE—FOREIGN AND DOMESTIC

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Quebec during the calendar year 1939, with comparisons for the previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	175,022	158,039	333,061
Domestic.....	1,096,932	301,407	1,398,339
Total 1939.....	1,271,954	459,446	1,731,400
“ 1938.....	1,247,322	495,409	1,742,731
“ 1937.....	1,228,534	456,857	1,685,391
“ 1936.....	1,315,319	540,823	1,856,142
“ 1935.....	1,188,774	451,113	1,639,887

CARGO TONNAGE—COMMODITIES

Statement showing the principal commodities of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Quebec during the calendar year 1939, with comparisons for 1938.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1939	Outward 1939	Total 1939	Total 1938
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	566,873	7,370	574,243	533,655
Pulpwood.....	53,202	120,930	174,132	178,967
Grain.....	120,019	51,546	171,565	233,703
Coal, anthracite.....	138,585	1,060	139,645	146,290
Petroleum, crude.....	109,993	3,026	113,019	143,795
Newsprint.....		99,895	99,895	87,561
Gasoline.....	80,578	139	80,717	66,724
Asbestos.....		59,985	59,985	66,863
Cement.....	42,675	202	42,877	41,697
Ores and Concentrates (except iron).....	592	35,328	35,920	10,257
Lumber, Timber, Box, Crate and Cooperage Material.....	16,425	11,052	27,477	43,570
Sulphur.....	25,329		25,329	11,127
Flour.....	14,946	3,794	18,740	15,726
Molasses.....	10,377	3,522	13,899	8,201
Fertilizers.....	8,503	1,097	9,600	13,758
Liquor Beverages.....	7,121	2,433	9,554	1,234
Iron and Steel (Bar, Sheet, Structural, Pipe).....	3,167	5,779	8,946	7,845
Salt.....	7,545	936	8,481	8,152
Sugar.....	7,480	94	7,574	9,008
Dressed Meats.....	1,842	3,694	5,536	754
Canned Goods (except meats).....	3,131	2,095	5,226	4,005
Iron Ores.....	208	48	256	6,826

PASSENGERS

Statement showing the number of passengers landed and embarked by vessels at the harbour of Quebec during the calendar year 1939, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	9,147	5,234	14,381
Coastwise.....	22,682	24,760	47,442
Total 1939.....	31,829	29,994	61,823
“ 1938.....	35,161	32,020	67,181
“ 1937.....	43,003	36,226	79,229
“ 1936.....	45,519	42,197	87,716
“ 1935.....	44,233	39,381	83,614

GRAIN ELEVATOR

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Quebec during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....	4,486,697	1,675,620	6,162,317
Via rail.....	94,045	222,289	316,334
Via other.....		1,530,962	1,530,962
Total 1939.....	4,580,742	3,428,871	8,009,613
“ 1938.....	7,311,267	5,867,269	13,178,536
“ 1937.....	1,996,461	3,289,725	5,286,186
“ 1936.....	6,111,765	7,121,888	13,233,653
“ 1935.....	4,250,016	3,239,667	7,489,683

TERMINAL RAILWAY

Statement showing the number of railway cars handled by the National Harbours Board terminal railway at the harbour of Quebec during the calendar year 1939, with comparisons for 1938.

Classification	1939	1938
Received from connecting lines—		
1. Revenue cars.....	4,835	5,762
2. Non-revenue cars.....	5,232	4,111
3. Total.....	10,067	9,873
Delivered to connecting lines—		
1. Revenue cars.....	5,516	4,359
2. Non-revenue cars.....	4,556	5,482
3. Total.....	10,072	9,841
Switched locally—		
1. Revenue cars.....	430	418
2. Non-revenue cars.....	430	418
3. Total.....	860	836
Total—		
1. Revenue cars.....	10,781	10,539
2. Non-revenue cars.....	10,218	10,011
3. Total.....	20,999	20,550

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$148,491.00. The larger items were the reconditioning of six automatic shipping scales; renewing sheathing of cross gallery No. 3 and tower "C" with corrugated asbestos; renewing face brick of east wall of fish house at the cold storage plant; scraping and painting hull of 50-ton floating crane; renewing inside members and repairing hull of Customs Pond Pontoon; renewing bottom roller attached to southwest gate at entrance to Inner Basin, Princess Louise Docks; repairing asphalt pavement west of Shed "A", Wolfe's Cove terminal.

CAPITAL WORKS

During 1939, total expenditures on capital works amounted to \$454,047.00, the following constituting the principal items:

Reconstruction of St. Charles River Wharf and Shed 28—The strengthening of St. Charles River wharf at berth 28 and the reconstruction of Shed 28, were completed pursuant to contract. The electrical wiring for the shed lighting, the laying of water line and railway tracks serving this berth and shed were carried out by harbour forces.

Bascule Bridge—The old drawbridge over the entrance to the Inner Basin of Princess Louise Docks which has been in operation since 1888 was replaced with a new highway bascule bridge. A contract was let for the sub structure work and a further contract for the machinery and for the fabrication and erection of the superstructure. New approaches were constructed by the harbour force. The new bascule bridge was opened to traffic on May 29.

Sillery Sewer.—The construction of the extension of Sillery Sewer on the harbour property to carry the discharge into the St. Lawrence River from the collecting sewer of the Municipality of Sillery was completed by contract in August.

Reconstruction of St. Charles River Wharf East and West of Shed 29.—In April, 1939, a contract was awarded for the strengthening of quay wall immediately east and west of shed 29. Tie rods were installed to stabilize the wharf over a length of 317 feet east of shed 29 and 456 feet west of the shed. This work was completed in December.

Beauport Wharf.—Extensive repairs were made to this wharf, consisting of replacing decayed timbers above low water level on south end and west side for a distance of 130 feet, and resheathing. The north section of wharf on west side was widened by twenty feet for a distance of 214 feet and a section of the east wall at the north end rebuilt for a length of 40 feet. The wharf was filled to coping level with stone and gravel. The approach channel adjacent to wharf on east side was cleared of accumulated debris. An electric pierhead light was installed with underground service connection.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$469,424 as compared with \$488,013 in the previous year, a decrease of \$18,589. Operating and maintenance expenses were \$492,203, as compared with \$537,316 in 1938, a reduction of \$45,113.

After taking into account miscellaneous income credits and debits and payment of interest on debt to the public, there was a deficit of \$47,413, the comparable deficit in 1938 being \$75,983. The net income deficit, after charging reserve for replacements and interest due the Dominion Government, was \$1,444,548 as against \$1,459,699 in the previous year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES

Harbour General		
Harbour Dues.....	\$ 19,384 36	
Miscellaneous.....	11,600 07	
	<hr/>	\$ 30,984 43
Wharves and Piers		
Top Wharfage.....	111,534 93	
Dockage.....	44,139 38	
Miscellaneous.....	26,221 80	
	<hr/>	181,896 11
Permanent Sheds		
Shed Rentals.....	16,003 55	
Storage.....	16,695 73	
	<hr/>	32,699 28
Shed Hoists.....		70 00
Railway System.....		54,989 41
Grain Elevator System		
Elevation.....	42,420 06	
Storage.....	38,803 77	
Miscellaneous.....	1,784 88	
	<hr/>	83,008 71
Cold Storage System		
Storage.....	53,917 74	
Miscellaneous.....	8,167 05	
	<hr/>	62,084 79
Miscellaneous—Outsiders.....		23,691 23
	<hr/>	\$ 469,423 96

OPERATING EXPENSES

Administration.....		68,187 99
Operation and Maintenance		
Harbour Dredging.....	3,246 63	
Harbour General.....	61,712 09	
Vehicular Bridges.....	3,358 54	
Roads, Fences and Boundaries.....	11,935 17	
Sewers and Drains.....	4,259 21	
Wharves and Piers.....	39,093 58	
Permanent Sheds.....	31,996 61	
Shed Hoists.....	37 28	
Railway System.....	71,754 63	
Grain Elevator System.....	94,107 16	
Cold Storage System.....	70,364 71	
Miscellaneous—Outsiders.....	17,103 65	
Departmental Services.....	15,046 21	
	<hr/>	424,015 47
		<hr/>
Operating Deficit.....		22,779 50

INCOME RECEIVED FROM RESERVE FUNDS..... 954 72

MISCELLANEOUS INCOME CREDITS..... 4,170 86

5,125 58

17,653 92

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves..... 954 72

Reserve for Bad Debts..... 4,702 73

Miscellaneous Income Charges..... 8,101 62

13,759 07

Income available for Interest due Public..... 31,412 99

INTEREST ON DEBT TO THE PUBLIC..... 16,000 00

47,412 99

OTHER INCOME REQUIREMENTS

Reserve for Replacements..... 200,000 00

Interest due Dominion Government..... 1,197,134 86

1,397,134 86

Net Income Deficit..... \$1,444,547 85

Harbour of Quebec

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS		LIABILITIES	
FIXED		DEBTURE INDEBTEDNESS TO PUBLIC.....	
Harbour Dredging.....	\$ 3,940,865 55		\$ 400,000 00
Real Estate.....	290,582 99		
Vehicular Bridges.....	172,255 25		
Roads, Fences and Boundaries.....	129,167 35	DOMINION GOVERNMENT ACCOUNT	
Sewers and Drains.....	293,697 25	Loans and Advances (Interest bearing).....	\$ 27,351,037 94
Miscellaneous Structures.....	134,603 77	Expenditure under Appropriations.....	2,571,273 44
Wharves and Piers.....	13,170,764 64	Government Loans Applied for—Contra....	800 38
Permanent Sheds.....	3,279,921 85		<u>29,923,111 76</u>
Shed Hoists.....	12,000 00	ACCOUNTS PAYABLE—CONSTRUCTION.....	7,116 03
Railway System.....	869,160 09		
Grain Elevator System.....	3,750,573 00	CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	6,438 01
Cold Storage System.....	718,708 37		
Office Furniture and Appliances.....	16,294 49	CURRENT	
Harbour Buildings.....	196,735 26	Accounts Payable.....	5,728 54
Central Heating Plants.....	11,300 46	Salaries and Wages Payable.....	9,220 26
Harbour Shops.....	33,958 83	Matured Interest Unpaid	
Electric Power System.....	57,000 10	Due Public.....	\$ 640 00
Water Supply System.....	30,705 62	Due Dominion Gov't... 22,178,993 66	
Floating Equipment.....	94,418 50	Accrued Interest due Public.....	22,179,633 66
Shore Equipment.....	64,178 06	Unclaimed Wages.....	1,833 34
Miscellaneous Small Plant.....	5,578 75		<u>6 80</u>
Sundry Expenditures (Undistributed).....	<u>1,621,453 70</u>	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	
	\$ 28,893,321 88		
CURRENT		RESERVES	
Cash—Receiver General of Canada.....	24,767 73	Replacement.....	800,000 00
Accounts Receivable.....	\$ 104,450 90	Fire and General Insurance.....	33,495 67
Less—Reserve for Bad Debts.. 3,321 25			
	101,129 65	DEFERRED CREDITS.....	
Advances due on Capital Account.....	800 38		
Advances due on Deficit Account.....	7,798 78	SURPLUS AND DEFICIT ACCOUNT	
Stores on Hand.....	37,464 90	Deficit as at December 31, 1938.....	22,894,595 40
Accrued Revenue.....	<u>4,483 44</u>	Adjustments in 1939.....	38,923 71
		Net Income Deficit for 1939.....	1,444,547 85
			<u>24,378,066 96</u>
SECURITY DEPOSITS.....	176,444 88	Deduct	
FIRE AND GENERAL INSURANCE FUND.....	33,194 02	Government Grant <i>re</i> 1939 Deficit.....	47,412 99
PREPAID CHARGES.....	33,495 67		
	3,860 20		<u>24,590,663 97</u>
			<u>\$ 29,140,316 65</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include 3 main wharves having some 7,400 linear feet of berthing with a water depth of 30 feet alongside and 9 transit sheds with a total floor area of about 192,000 square feet.

SHIPPING

Vessels entering the harbour during 1939, in comparison with 1938, decreased in number by 868, or 29 per cent, and in net registered tonnage by 647,147 tons, the same percentage. Deepsea shipping showed a decrease in vessels of 48, or 55 per cent, and in net registered tonnage of 139,761 tons, or 59 per cent. Coastal or inland shipping showed a decrease in vessels of 820, or 29 per cent, and in net registered tonnage of 507,386 tons, or 26 per cent.

VESSELS—ARRIVALS AND DEPARTURES

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Three Rivers during the calendar year 1939, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	2,077	1,549,829
Departures.....	2,064	1,545,821
Total 1939.....	4,141	3,095,650
“ 1938.....	5,888	4,394,786
“ 1937.....	5,697	4,727,463
“ 1936.....	4,180	3,743,548
“ 1935.....	5,458	3,309,890

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Three Rivers during the calendar year 1939 with comparison for 1938.

Classification	1939		1938	
	Number Vessels	Net Reg. Tonnage	Number Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	39	97,816	87	237,577
2. Coastal or inland.....	2,038	1,452,013	2,858	1,959,399
3. Total.....	2,077	1,549,829	2,945	2,196,976
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	87	245,390	156	461,940
2. Coastal or inland.....	1,977	1,300,431	2,787	1,735,870
3. Total.....	2,064	1,545,821	2,943	2,197,810
Total Arrivals and Departures.....	4,141	3,095,650	5,888	4,394,786

TRAFFIC

Cargo tonnage decreased by 1,013,131 tons, or 35 per cent, in comparison with 1938, due largely to a heavy falling off in shipments of grain, pulpwood and newsprint, three of the principal commodities handled at this harbour. There were, however, substantial increases in bituminous coal and petroleum products (except gasoline).

CARGO TONNAGE—FOREIGN AND DOMESTIC

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Three Rivers during the calendar year 1939, with comparisons for the previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	170,824	445,390	616,214
Domestic.....	1,061,118	171,082	1,232,200
Total 1939.....	1,231,942	616,472	1,848,414
“ 1938.....	1,900,349	961,196	2,861,545
“ 1937.....	1,956,401	739,635	2,696,036
“ 1936.....	1,210,773	383,851	1,594,624
“ 1935.....	954,729	176,509	1,131,238

CARGO TONNAGE—COMMODITIES

Statement showing the principal commodities of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Three Rivers during the calendar year 1939, with comparisons for 1938.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1939	Outward 1939	Total 1939	Total 1938
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	306,749	328,302	635,051	1,567,046
Coal, bituminous.....	330,842	149,887	480,729	272,922
Pulpwood.....	427,839	.....	427,839	700,862
Newsprint.....	.....	121,728	121,728	158,736
Petroleum Products (except gasoline).....	61,556	.....	61,556	30,238
Coal, anthracite.....	17,321	.....	17,321	18,349
Coke.....	17,270	.....	17,270	20,784
Gasoline.....	16,592	.....	16,592	16,196
Sulphur.....	9,042	.....	9,042	7,690
China Clay.....	6,857	.....	6,857	3,220
Fertilizers.....	5,137	.....	5,137	5,400
Lumber, Timber, Box, Crate and Cooperage Material.....	2,161	398	2,559	4,948
Salt.....	.....	.....	.....	9,899

GRAIN ELEVATOR

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Three Rivers during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....	10,482,097	11,161,511	21,643,608
Via rail.....	4,995	31,486	36,481
Via other.....		121,042	121,042
Total 1939.....	10,487,092	11,314,039	21,801,131
“ 1938.....	29,748,080	28,402,311	58,150,391
“ 1937.....	19,257,659	20,329,961	39,587,620
“ 1936.....	7,879,426	6,510,389	14,389,815

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$2,821. The principal items were painting of all wooden sheds and doors of concrete sheds; repairing macadam roads, refilling space between old cribwork and steel sheet piling in Section 12 and repairing broken water mains.

CAPITAL WORKS

Total expenditures on capital works during the year amounted to \$2,770, the principal item being the grouting of the concrete floor in shed 4 to give uniform bearing.

REVENUE AND EXPENDITURES

Operating revenues showed a decrease, being \$165,682 as against \$191,881 in 1938. Operating and maintenance expenses were also lower, the comparable figures being \$18,147 for 1939 and \$33,242 for 1938.

After payment of interest on debt due to the public and charging reserve for replacements and interest due the Dominion Government, there was a net income deficit of \$109,454, the corresponding deficit in the previous year being \$91,124.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES

Harbour General		
Harbour Dues.....	\$ 6,177 05	
Miscellaneous.....	988 97	
	<u>\$</u>	7,166 02
Wharves and Piers		
Top Wharfage.....	73,920 60	
Dockage.....	17,761 63	
Miscellaneous.....	24,262 08	
	<u></u>	115,944 31
Permanent Sheds		
Shed Rentals.....		41,733 79
Miscellaneous—Outsiders.....		838 02
		<u>\$</u> 165,682 14

OPERATING EXPENSES

Administration.....		10,964 26
Operation and Maintenance		
Harbour General.....	2,755 24	
Roads, Fences and Boundaries.....	751 59	
Wharves and Piers.....	107 13	
Permanent Sheds.....	2,825 36	
Railway System.....	620 94	
Miscellaneous—Outsiders.....	122 94	
	<u></u>	7,183 20
		<u>18,147 46</u>

Operating Income..... 147,534 68

INCOME RECEIVED FROM RESERVE FUNDS..... 9,861 73

MISCELLANEOUS INCOME CREDITS..... 7 20

9,868 93

Total Income..... 157,403 61

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	9,861 73	
Reserve for Bad Debts.....	200 00	
Miscellaneous Income Charges.....	809 03	
	<u></u>	10,870 76

Income Available for Interest due Public..... 146,532 85

INTEREST ON DEBT TO THE PUBLIC..... 8,712 00

137,820 85

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	70,000 00	
Interest due Dominion Government.....	177,274 80	
	<u></u>	247,274 80

Net Income *Deficit*..... \$ 109,458 95

Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS

FIXED	
Real Estate.....	\$ 1,204,777 00
Roads, Fences and Boundaries.....	60,384 26
Wharves and Piers.....	5,780,047 59
Permanent Sheds.....	799,202 07
Railway System.....	26,611 43
Office Furniture and Appliances.....	2,193 81
Electric Power System.....	11,512 44
Water Supply System.....	10,894 44
Miscellaneous Small Plant.....	3,651 13
	<hr/>
	7,899,274 17

CURRENT	
Cash—Receiver General of Canada	\$ 29,362 87
Cash in Bank-Coupon Account.....	11 00
Accounts Receivable.....	3,040 49
Less—Reserve for Bad Debts..	600 00
	<hr/>
Accrued Revenue.....	2,440 49
Stores on Hand.....	13,756 00
	<hr/>
	29,373 87
	<hr/>
	2,440 49
	<hr/>
	13,756 00
	<hr/>
	351 96

7,899,274 17

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$ 158,400 00
DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest bearing).....	\$ 3,822,035 11
Expenditure under Appropriations.....	590,857 27
	<hr/>
	4,412,892 38

CURRENT	
Accounts Payable.....	2,418 42
Matured Interest Unpaid	
Due Public.....	\$ 11 00
Due Dominion Gov't.....	967,258 70
	<hr/>
Accrued Interest due Public.....	4,332 58
	<hr/>
	974,020 70
	<hr/>
	4,987 21

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	
	45,922 32

RESERVES	
Replacement.....	295,298 61
Fire and General Insurance.....	10,577 85
	<hr/>
DEFERRED CREDITS.....	
	305,876 46
	<hr/>
	15,262 26

5,871,439 01

SURPLUS AND DEFICIT ACCOUNT	
Surplus as at December 31, 1938.....	2,496,689 95
Deduct:	
Adjustments in 1939.....	11 33
Net Income Deficit for 1939	109,465 28
	<hr/>
	2,387,224 67

\$ 8,258,663 68

HARBOUR OF MONTREAL

The harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast, and is reached by ocean shipping through a dredged channel having a minimum depth of 30 feet, now being completed to 35 feet. It is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates 28 main piers, wharves and jetties having over 10 miles of berthing, 28 transit sheds with an aggregate floor area of over 2,015,000 square feet; also four grain elevators with a total storage capacity of over 15,000,000 bushels and 3½ miles of conveyor galleries, and a cold storage warehouse with a capacity of 4,628,000 cubic feet. A 75 ton capacity floating crane and several locomotive track cranes are available.

SHIPPING

Vessels entering the harbour decreased in number by 214, or 4 per cent, and in net registered tonnage by 1,000,579 tons, or 12 per cent. The decrease shown was principally in deepsea shipping occasioned largely by the outbreak of war; in this class of shipping there was a decrease in vessels of 197, or 17 per cent, and in net registered tonnage of 832,738 tons, or 19 per cent. Coastal or inland shipping also recorded a slight decrease.

VESSELS—ARRIVALS AND DEPARTURES

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Montreal during the calendar year 1939, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	5,515	7,588,940
Departures.....	5,548	7,587,674
Total 1939.....	11,063	15,176,614
“ 1938.....	11,474	17,134,681
“ 1937.....	9,965	16,389,758
“ 1936.....	12,906	19,089,394
“ 1935.....	11,476	17,032,177

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Montreal during the calendar year 1939 with comparison for 1938.

Classification	1939		1938	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	936	3,641,223	1,133	4,473,961
2. Coastal or inland.....	4,579	3,947,717	4,589	4,105,296
3. All others.....			7	10,262
4. Total.....	5,515	7,588,940	5,729	8,589,519
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	962	3,684,064	1,144	4,492,851
2. Coastal or inland.....	4,586	3,903,610	4,594	4,042,049
3. All others.....			7	10,262
4. Total.....	5,548	7,587,674	5,745	8,545,162
Total Arrivals and Departures.....	11,063	15,176,614	11,474	17,134,681

TRAFFIC

Cargo tonnage decreased by 1,914,359 tons, or 11·5 per cent, due largely to a heavy reduction in shipments of grain. Marked decreases occurred also in crude petroleum and gasoline, anthracite, sugar, woodpulp, mill products (except flour) and iron ore. On the other hand, increases were shown in bituminous coal, petroleum products (except gasoline), flour, ores and concentrates (except iron). It is a noteworthy fact that the inward movement of Canadian bituminous coal reached a record figure of 2,239,916 tons.

For the fifth consecutive year an increase was shown in tonnage handled at the cold storage terminal, receipts and deliveries reaching the highest figure since 1929.

Revenue cars handled by the terminal railway decreased by 2,706 cars, or 2·5 per cent.

CARGO TONNAGE—FOREIGN AND DOMESTIC

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Montreal during the calendar year 1939, with comparisons for the previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu.ft.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	6,802,294	3,144,189	9,946,483
Domestic.....	2,593,825	2,245,717	4,839,542
Total 1939.....	9,396,119	5,389,906	14,786,025
“ 1938.....	10,060,958	6,639,426	16,700,384
“ 1937.....	10,073,523	6,296,111	16,369,634
“ 1936.....	9,697,737	5,840,975	15,538,712
“ 1935.....	8,951,344	4,896,156	13,847,500

CARGO TONNAGE—COMMODITIES

Statement showing the principal commodities of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Montreal during the calendar year 1939, with comparisons for 1938.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1939	Outward 1939	Total 1939	Total 1938
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	1,712,448	1,454,346	3,166,794	5,002,755
Coal, bituminous.....	2,489,320	435,604	2,924,924	2,114,141
Petroleum, crude.....	2,360,352	.....	2,360,352	2,624,206
Coal, anthracite.....	1,149,856	201,134	1,350,990	1,681,826
Petroleum Products (except gasoline).....	86,987	722,113	809,100	673,564
Gasoline.....	176,742	614,835	791,577	1,018,593
Sugar.....	279,906	42,657	322,563	355,588
Flour.....	40,763	266,508	307,271	234,120
Wood Pulp.....	121,894	140,479	262,373	378,520
Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	4,820	193,563	198,383	209,767
Cement.....	528	122,232	122,760	107,692
Canned Goods (except meats).....	28,460	89,669	118,129	103,130
Lumber, Timber, Box, Crate and Cooperage Materials.....	31,330	86,108	117,438	134,248
Iron and Steel (Bar, Sheet, Structural, Pipe).....	44,109	54,698	98,807	96,939
Automobiles, Auto Trucks and Auto Parts.....	5,686	72,438	78,124	82,005
Molasses.....	59,807	14,466	74,273	52,138
Dressed Meats.....	2,091	71,519	73,610	74,485
Ores and Concentrates (except iron).....	30,347	34,396	64,743	31,855
Sulphur.....	46,106	15,557	61,663	35,173
Newsprint.....	6,503	53,234	59,737	49,056
Mill Products (except flour).....	2,831	54,747	57,578	121,514
Ores, iron.....	25,354	21,133	46,487	145,483
Fruit, fresh (except apples).....	36,210	8,824	45,034	58,297
Cheese.....	373	42,897	43,270	41,061
Packing House Products, edible (except dressed meats).....	3,170	38,529	41,699	36,890
Sand and Gravel.....	40,360	1,118	41,478	41,205
Gypsum.....	40,051	.....	40,051	20,228
Oils, vegetable.....	38,508	472	38,980	53,412
Household Goods and Settlers' Effects.....	23,709	12,887	36,596	42,442
Paper Board, Pulpboard and Wallboard (paper).....	1,044	35,307	36,351	27,207
Tinplate.....	33,762	1,000	34,762	37,669
Agricultural Implements and Vehicles (except autos).....	12,172	18,059	30,231	19,029
Hay and straw.....	1	27,082	27,083	37,565
Glass, sheet.....	25,498	95	25,593	21,774
Asbestos, crude.....	75	24,629	24,704	21,027
Dry Goods.....	18,170	6,416	24,586	32,876
Phosphate Rock.....	24,053	.....	24,053	8,951
Rubber, Manufactures of.....	1,304	22,396	23,700	25,851
Salt.....	19,396	2,740	22,136	20,782
Apples, fresh.....	112	20,982	21,094	36,543
Twine, binder.....	9,668	9,809	19,477	27,091
Catsup.....	7,266	11,343	18,609	20,253
Fertilizers.....	13,409	5,171	18,580	30,347
Castings, Machinery and Boilers.....	10,524	7,607	18,131	21,996
Rails and Fastenings.....	688	16,418	17,106	45,536
Agricultural implements and parts.....	145	15,769	15,914	11,815
Jute, manufactures of.....	14,054	1,434	15,488	13,813
Liquor Beverages.....	12,599	2,514	15,113	13,315
Rice.....	14,941	106	15,047	9,547
Fruit, dried.....	13,170	1,200	14,370	16,000
Beans, common.....	116	13,837	13,953	18,090
Rubber, raw (including latex).....	13,761	7	13,768	13,708
Tobacco, raw leaf.....	761	11,885	12,646	2,181
Tea.....	11,361	122	11,483	11,193
China Clay.....	11,457	.....	11,457	17,477
Logs, Posts, Poles, Piling.....	.....	10,030	10,030	.....
Paper (except newsprint).....	3,772	5,550	9,322	11,836

PASSENGERS

Statement showing the number of passengers landed and embarked by vessels at the harbour of Montreal during the calendar year 1939, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	27,302	22,006	49,308
Coastwise.....	47,300	40,936	88,236
Total 1939.....	74,602	62,942	137,544
“ 1938.....	76,395	77,534	153,929
“ 1937.....	83,891	81,130	165,021
“ 1936.....	100,175	98,664	198,839
“ 1935.....	83,841	82,573	166,414

GRAIN ELEVATORS

Statement showing the total quantity of grain handled at the terminal elevators at the harbour of Montreal during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....	60,597,386	50,800,586	111,397,972
Via rail.....	3,218,003	5,531,500	8,749,503
Via other.....	22,199	3,081,414	3,103,613
Total 1939.....	63,837,588	59,413,500	123,251,088
“ 1938.....	99,911,142	99,315,660	199,226,802
“ 1937.....	94,190,857	92,666,580	186,857,437
“ 1936.....	79,404,903	87,116,340	166,521,243
“ 1935.....	65,080,829	63,283,084	128,363,913

TERMINAL RAILWAY

Statement showing the number of railway cars handled by the National Harbours Board terminal railway at the harbour of Montreal during the calendar year 1939, with comparisons for 1938.

Classification	1939	1938
Received from connecting lines—		
1. Revenue cars.....	56,233	61,035
2. Non-revenue cars.....	38,068	36,252
3. Total.....	94,301	97,557
Delivered to connecting lines—		
1. Revenue cars.....	47,618	44,952
2. Non-revenue cars.....	46,630	52,393
3. Total.....	94,248	97,345
Switched locally—		
1. Revenue cars.....	978	1,278
2. Non-revenue cars.....	3,249	3,796
3. Total.....	4,227	5,074
Total—		
1. Revenue cars.....	104,829	107,535
2. Non-revenue cars.....	87,947	92,441
3. Total.....	192,776	199,976

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During 1939 ordinary maintenance and repairs were carried out at a total cost of \$533,884.53 including maintenance on Jacques Cartier bridge. The larger items were replacement of a section of the timber face of Jacques Cartier pier; replacement of roofing on sheds 2 and 5; painting interiors of sheds 6, 7, 9, exteriors of sheds 15, 17, 27A, car dumper house, elevator 3 and conveyors elevator 1 and 2; providing connecting gallery elevators 1 and 2 conveyor system; replacement of scales Victoria pier; renewal of power feeder cables in sub-station and conveyor galleries and special repairs and overhaul of tugs and floating derricks.

CAPITAL WORKS

During the year, total expenditures on capital and replacement works amounted to \$979,285; the following constituting the principal items:—

Raising Wharf Sections 46 to 49.—In July 1939 a contract was awarded for raising the shore wharf to high level elevation 118.00. Concurrently with the raising of the wharf, the area in rear was filled with material dredged from the harbour and at the end of 1939 the wharf was completed together with the major part of the filling. The balance of the fill will be completed in 1940 when about 1,500 linear feet of high level wharf, usable for bulk cargo purposes, will be added to the harbour facilities.

Strengthening Wharf Sections 23 and 24.—A contract was awarded in July 1939 for strengthening the wooden wharf by the construction of a face of vertical concrete cylinders anchored in the rock at their bases and by a system of tie rods near their tops. This work was completed in December and made available about 560 linear feet of wharf, the adjacent berth to which can be deepened to 35 feet when required.

Extension McColl-Frontenac Oil Wharf—Sections 99 and 100.—The construction of a 565 foot extension to the upstream end of the McColl-Frontenac wharf, started in 1938, was completed in 1939 when the filling in rear of the wharf was placed from adjacent channel dredging. This wharf is now accessible to the largest oil tanker.

Strengthening Wharves—Sections 30 and 31.—The strengthening of about 780 linear feet of wooden wharf, by the introduction of a system of tie rods, which was started in 1938 was completed in 1939, and these wharves made available for the accommodation of bulk cargo and transit sheds.

Reconstruction Upper End Windmill Point Basin.—The replacement, in concrete, of old timber structures and the construction of a roadway at the head of Windmill Point Basin, placed under contract in 1938, was completed in 1939, providing roadway access to Bickerdike Pier.

Additions and Improvements to Terminal Railway.—In order to provide for more efficient and economical railway operation additional tracks were laid at Alexandra pier, Sections 13, 32 to 34, 37 to 40 and the tracks between Sections 12 and 19 were electrified for a distance of 9,500 linear feet.

Rearrangement of Sheds 24 to 27.—In order to adequately accommodate larger ships using the berths at these four sheds, the latter were converted into three, each of increased length, involving the partial reconstruction of the sheds, the relocation of offices and ramps and the construction of additional paved areas.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$4,469,097 as compared with \$4,917,837 in 1938, a decrease of \$448,740. Operating and maintenance expenses amounted to \$1,987,928 as against \$2,095,656 in the previous year, a decrease of \$107,728.

After taking into account miscellaneous income credits and debits and charging reserve for replacements and interest due the Dominion Government, there was a net income deficit of \$918,187 as compared with a deficit of \$521,346 in the previous year.

The foregoing figures are exclusive of Jacques Cartier Bridge operations, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES

Harbour General			
Harbour Dues.....	\$	39,646 24	
Miscellaneous.....		21,035 01	
		<u> </u>	\$ 60,681 25
Wharves and Piers			
Top Wharfage.....		1,789,444 28	
Dockage.....		287,341 92	
Miscellaneous.....		275,654 66	
		<u> </u>	2,352,440 86
Permanent Sheds			
Shed Rentals.....		243,072 99	
Storage.....		5,279 72	
Miscellaneous.....		10,764 51	259,117 22
Shed Hoists.....			25,922 00
Railway System.....			430,372 39
Grain Elevator System			
Elevation.....		642,899 43	
Storage.....		382,063 89	
Miscellaneous.....		13,804 49	
		<u> </u>	1,038,767 81
Cold Storage System			
Storage.....		122,963 29	
Miscellaneous.....		15,998 07	
		<u> </u>	138,961 36
Miscellaneous—Outsiders.....			162,834 17
			<u> </u> \$ 4,469,097 06

OPERATING EXPENSES

Administration.....			246,636 99
Operation and Maintenance			
Harbour Dredging.....		61,361 09	
Harbour General.....		242,282 84	
Roads, Fences and Boundaries.....		41,515 90	
Sewers and Drains.....		3,010 50	
Wharves and Piers.....		68,506 19	
Permanent Sheds.....		78,011 70	
Shed Hoists.....		19,165 56	
Railway System.....		373,859 92	
Grain Elevator System.....		528,427 00	
Cold Storage System.....		177,028 12	
Miscellaneous—Outsiders.....		148,122 35	
		<u> </u>	1,741,291 17
			<u> </u> 1,987,928 16
Operating Income.....			2,481,168 90

INCOME RECEIVED FROM RESERVE FUNDS.....		73,522 24	
MISCELLANEOUS INCOME CREDITS.....		6,805 67	
		<u> </u>	80,327 91
Total Income.....			2,561,496 81

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....		73,522 24	
Reserve for Bad Debts.....		523 89	
Miscellaneous Income Charges.....		155 36	
		<u> </u>	74,201 49
			<u> </u> 2,487,295 32

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....		793,986 08	
Interest due Dominion Government.....		2,611,495 77	
		<u> </u>	3,405,481 85

Net Income *Deficit*.....\$ 918,186 53

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1939

(Excluding Jacques Cartier Bridge)

HARBOUR OF MONTREAL

49

ASSETS

FIXED	
Harbour Dredging.....	\$ 5,558,944 44
Real Estate.....	2,207,448 34
Roads, Fences and Boundaries.....	776,766 25
Sewers and Drains.....	177,382 81
Miscellaneous Structures.....	378,549 55
Wharves and Piers.....	23,930,244 18
Permanent Sheds.....	6,869,210 05
Shed Hoists.....	203,988 72
Railway System.....	5,520,346 96
Grain Elevator System.....	15,937,129 92
Cold Storage System.....	3,011,944 98
Office Furniture and Appliances.....	27,257 78
Harbour Buildings.....	300,585 71
Central Heating Plants.....	31,318 21
Harbour Shops.....	285,621 44
Electric Power System.....	1,216,263 89
Water Supply System.....	163,519 21
Floating Equipment.....	768,122 97
Shore Equipment.....	195,734 51
Works under Construction.....	542,331 49
	<u>\$ 68,097,711 41</u>

CURRENT

Cash—Receiver General of Canada.....	\$ 260,842 48
Cash on hand.....	8,973 02
	<u>269,815 50</u>
Accounts Receivable.....	537,843 96
Less—Reserve for Bad Debts.....	2,345 56
Advances due on Capital Account.....	535,498 40
Stores on Hand.....	11,400 32
Accrued Revenue.....	284,076 21
	<u>22,642 69</u>

SECURITY DEPOSITS.....	1,073,433 12
REPLACEMENT FUND.....	91,918 26
FIRE AND GENERAL INSURANCE FUND.....	2,585,587 31
MISCELLANEOUS FUNDS.....	207,115 93
PREPAID CHARGES.....	92,931 74
DEFERRED DEBITS.....	13,544 47
	<u>8,771 46</u>
	<u>\$ 72,171,013 70</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest bearing).....	\$ 61,528,473 30
Expenditure under Appropriations.....	4,371,228 51
Government Loans Applied For—Contra..	<u>11,400 32</u>
	<u>\$ 65,911,102 13</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	158,693 53
CURRENT	
Accounts Payable.....	39,805 81
Salaries and Wages Payable.....	11,582 70
Matured Interest Unpaid	
Due Dominion Government.....	6,941,302 06
Unclaimed Wages.....	<u>124 63</u>
	<u>6,992,815 20</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	91,918 26
RESERVES	
Replacement.....	2,584,305 44
Fire and General Insurance.....	207,115 93
Miscellaneous.....	<u>92,931 74</u>
	<u>2,884,353 11</u>
DEFERRED CREDITS.....	87,062 45
	<u>76,125,944 68</u>

SURPLUS AND DEFICIT ACCOUNT	
Deficit as at December 31, 1938.....	3,052,607 32
Net Income Deficit for 1939.....	<u>918,136 53</u>
	<u>3,970,793 85</u>
Deduct	
Adjustments in 1939.....	<u>15,862 87</u>
	<u>\$ 9,954,930, 98</u>

\$ 72,171,013 70

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge at the harbour of Montreal during the calendar year 1939, with comparisons for 1938.

Classification	1939	1938
	Revenue Passages	Revenue Passages
Passengers in vehicles.....	5,313,814	5,215,538
Automobiles (passenger).....	1,607,590	1,575,867
Trucks.....	326,220	290,270
Buses.....	30,785	21,000
All others.....	19,175	21,371
Total.....	7,297,584	7,124,046

REVENUES AND EXPENDITURES

Revenues from operation showed continued improvement, being \$463,124 as compared with \$445,945 in 1938, an increase of \$17,179. Operating and maintenance expenditures amounted to \$91,266. The corresponding expenditures in the previous year were \$91,785.

After making provision for interest on bonds held by the public and other charges against income, there was a net income deficit of \$1,038,514, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and the City of Montreal. The corresponding net income deficit in 1938 was \$999,052. The increase in income deficit, as compared with the previous year, is more than accounted for by the payment of \$53,493, premium on U.S. funds, on bond interest.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES		
Bridge Tolls.....	\$ 461,962 26	
Sundry Receipts.....	1,161 35	
		\$ 463,123 61
OPERATING EXPENSES		
Administration.....	21,902 16	
Operation.....	51,947 94	
Maintenance.....	17,416 01	
		91,266 11
Operating Income.....		371,857 50
INCOME RECEIVED FROM RESERVE FUNDS.....	9,028 34	
MISCELLANEOUS INCOME CREDITS.....	372 76	
		9,401 10
Total Income.....		381,258 60
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income received from Reserve Funds transferred to Reserves.....	9,028 34	
Reserve for Bad Debts.....	48 92	
Trustees' Fees, Commissions, etc.....	55,761 83	
Bond Discount.....	8,846 16	
		73,685 25
Income Available for Interest due Public.....		307,573 35
INTEREST ON DEBT TO THE PUBLIC.....		950,000 00
OTHER INCOME REQUIREMENTS		642,426 65
Reserve for Replacements.....	42,600 00	
Reserve for Depreciation.....	166,139 00	
Interest due Dominion Government.....	187,348 71	
		396,087 71
Deduct		1,038,514 36
Proportion of Deficit Payable by:		
Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
		300,000 00
Net Income Deficit.....		\$ 738,514 36

Jacques Cartier Bridge—Montreal

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS

FIXED	
Bridge Structure, Right-of-Way, etc.....	\$ 18,649,115 19
CURRENT	
Cash—Receiver General of Canada.....	\$ 40,917 20
Cash on Hand.....	995 45
Cash in Bank-Coupon Account.....	16,288 85
Accounts Receivable.....	3,336 47
Prov. of Quebec On Account of Deficit.....	150,000 00
City of Montreal On Account of Deficit.....	150,000 00
Stores on Hand.....	303,336 47
	<u>1,267 06</u>
	362,805 63

REPLACEMENT FUND	293,471 89
MISCELLANEOUS FUNDS	3,518 65
BOND DISCOUNT SUSPENSE ACCOUNT	263,911 14
PREPAID CHARGES	1,790 40

\$ 19,574,612 90

LIABILITIES

DEBTURE UNDERWRITTEN TO PUBLIC	
Forty-year 5% First Mortgage Guaranteed Gold Bonds, Maturing 1st November, 1969.....	\$ 19,000,000 00
DOMINION GOVERNMENT ACCOUNT	
Advances to meet Interest on Bonds.....	4,048,356 00
CURRENT	
Accounts Payable.....	\$ 13,131 44
Matured Interest Due Dominion Government.....	971,442 24
Matured Interest Due Public.....	14,985 00
Accrued Interest Due Public.....	158,333 34
	<u>1,157,892 02</u>
RESERVES	
Replacement—General.....	173,731 94
Replacement—Painting.....	119,863 23
Depreciation.....	1,329,112 00
	<u>1,622,707 17</u>

25,828,955 19

SURPLUS AND DEFICIT ACCOUNT	
Deficit as at December 31, 1938.....	5,516,002 93
Net Income Deficit for 1939.....	738,514 36
	<u>6,254,517 29</u>

DEDUCT	
Adjustments in 1939.....	175 00
	<u>6,254,342 29</u>

\$ 19,574,612 90

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with 5,500,000 bushel storage capacity with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and an adjoining railway yard.

TRAFFIC

Grain receipts during 1939 were 882,561 bushels less than in 1938; shipments were 2,765,613 bushels greater. At the close of 1939, 2,810,017 bushels were in store, as compared with 3,314,522 bushels at the end of 1938.

Statement showing the total quantity of grain handled at Prescott elevator during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....	7,492,688	6,454,656	13,947,344
Via rail.....	70,351	1,403,325	1,473,676
Via other.....		233,732	233,732
Total 1939.....	7,563,039	8,091,713	15,654,752
“ 1938.....	8,445,600	5,326,100	13,771,700
“ 1937.....	5,958,806	6,243,266	12,202,072
“ 1936.....	5,630,480	10,132,858	15,763,338
“ 1935.....	8,843,331	4,093,882	12,937,213

MAINTENANCE

During 1939, ordinary maintenance and repairs were carried out at a total cost of \$13,372. The larger items were repairs to the electrical equipment, marine towers, shovel gear, lofters, conveyors, vessel and car loading spouts, and railway trackage.

REVENUES AND EXPENDITURES

There was a material improvement in operating results. Revenues amounted to \$242,742 as compared with \$68,989 in 1938, an increase of \$173,753, while operating and maintenance expenditures showed a slight reduction of \$426, the comparable figures being \$74,778 for 1939 and \$75,204 for 1938.

The net surplus was \$167,665, as compared with a deficit of \$7,447 in 1938, interest and depreciation not being taken into account in either year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES

Harbour General		
Miscellaneous.....	\$	150 00
Wharves and Piers		
Top Wharfage.....		3,683 09
Grain Elevator System		
Elevation.....	\$	52,189 29
Storage.....		180,024 66
Miscellaneous.....		6,694 55
		<u>238,908 50</u>
	\$	242,741 59

OPERATING EXPENSES

Administration.....	10,050 50	
Operation and Maintenance		
Grain Elevator System.....	64,727 76	
	<u>74,778 26</u>	
Operating Income.....		167,963 33

MISCELLANEOUS INCOME CREDITS.....	73 19
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Total Income.....	168,036 52
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	371 31
Net Income Surplus.....	<u>\$ 167,665 21</u>

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS		LIABILITIES	
Fixed	Wharves and Piers.....	DOMINION GOVERNMENT ACCOUNT	
	Railway System.....	Expenditure under Appropriations.....	\$ 5,020,904 20
	Grain Elevator System.....		
	Office Furniture and Appliances.....	CURRENT	
	Miscellaneous Small Plant.....	Accounts Payable.....	\$ 2,921 05
		Salaries and Wages Payable.....	107 00
			3,028 05
5,029,225 82			
CURRENT			
Cash—Receiver General of Canada.....		DEFERRED CREDITS.....	474 54
			5,024,406 79
Cash on Hand.....			
Accounts Receivable.....		SURPLUS AND DEFICIT ACCOUNT	
		Balance as at December 31, 1938.....	29,438 92
Stores on Hand.....		Adjustments in 1939.....	2,214 68
		Net Income Surplus for 1939.....	167,665 21
Accrued Revenue.....			
			199,318 81
192,798 40			
PREPAID CHARGES.....			
1,701 38			
\$ 5,223,725 60			
\$ 5,223,725 60			

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

Grain receipts during 1939 were 10,811,461 bushels less and shipments 11,872,410 bushels less than in 1938. At the close of 1939, 3,332,661 bushels were in store, as compared with 1,300,447 bushels at the end of 1938.

Statement showing the total quantity of grain handled at Port Colborne elevator during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....	26,427,409	22,538,065	48,965,474
Via rail.....		1,829,465	1,829,465
Via other.....		30,943	30,943
Total 1939.....	26,427,409	24,398,473	50,825,882
“ 1938.....	37,238,870	36,270,883	73,509,753
“ 1937.....	18,849,026	18,695,988	37,545,014
“ 1936.....	18,691,899	21,454,949	40,146,848
“ 1935.....	11,115,989	9,139,645	20,255,634

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$28,375.00. The larger items were overhauling marine leg and lofter drive motors, completion of independent grounding system for all electrical equipment, installation of dust and vapour proof globes on electric lights of the distribution floor and basement and the replacement of portion of waling strakes on wharf at unloading berth.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$255,659 as compared with \$249,623 in the previous year, an increase of \$6,037. Operating and maintenance expenses were \$119,207 as compared with \$133,320 in the previous year, a decrease of \$14,113.

After taking into account miscellaneous income credits and debits, there was an operating surplus of \$138,893. The corresponding surplus in the previous year was \$116,230. No charge for interest or depreciation is made.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES

Elevation.....	\$ 168,799 82	
Storage.....	86,812 28	
Miscellaneous.....	47 38	
	<u> </u>	\$ 255,659 48

OPERATING EXPENSES

Administration.....	16,352 68	
Operation and Maintenance.....	102,854 80	
	<u> </u>	119,207 48

Operating Income.....	136,452 00
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MISCELLANEOUS CREDITS.....	3,745 09
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Total Income.....	140,197 09
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	1,304 00
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Net Income Surplus.....	<u> </u> \$ 138,893 09
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Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS

FIXED	
Real Estate.....	\$ 21,875 80
Wharves and Piers.....	533,644 00
Railway System.....	42,189 22
Grain Elevator System.....	1,765,427 02
Office Furniture and Appliances.....	3,472 95
Miscellaneous Small Plant.....	16,506 51
	<u>\$ 2,383,115 50</u>

CURRENT	
Cash—Receiver General of Canada.....	21,824 18
Accounts Receivable.....	55,115 10
Stores on Hand.....	27,324 74
	<u>104,264 02</u>

PREPAID CHARGES	43 14
	<u>\$ 2,487,422 66</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Expenditure under Appropriations.....	\$ 2,356,217 60
CURRENT	
Accounts Payable.....	<u>1,936 35</u>
	2,358,153 95

SURPLUS AND DEFICIT ACCOUNT	
Balance as at December 31, 1938.....	\$ 90,375 62
Net Income Surplus for 1939.....	138,893 09
	<u>229,268 71</u>

Deduct	
Payment to Dominion Government on account of Surplus Earnings.....	<u>100,000 00</u>
	129,268 71

	<u>\$ 2,487,422 66</u>
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HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, two locomotive cranes of 15 and 20 tons capacity, a floating crane of 20 tons capacity, a gantry crane of 35 tons capacity, cattle pens capable of holding 400 head of cattle and a marine slipway capable of handling boats up to 1,200 tons weight.

SHIPPING

Vessels entering the harbour in 1939, in comparison with 1938, decreased in number by 5, but increased in net registered tonnage by 7,333 tons.

VESSELS—ARRIVALS AND DEPARTURES

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Churchill during the calendar year 1939, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	20	20,813
Departures.....	20	20,813
Total 1939.....	40	41,626
" 1938.....	51	27,674
" 1937.....	23	19,806
" 1936.....	56	92,806
" 1935.....	44	55,750

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Churchill during the calendar year 1939 with comparison for 1938.

Classification	1939		1938	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals</i>				
1. Deepsea or ocean-going commercial.....	6	18,715	3	8,800
2. Coastal or inland.....	14	2,098	22	4,680
3. Total.....	20	20,813	25	13,480
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	6	18,715	3	8,800
2. Coastal or inland.....	14	2,098	23	5,394
3. Total.....	20	20,813	26	14,194
Total Arrivals and Departures.....	40	41,626	51	27,674

TRAFFIC

Cargo tonnage increased by 26,495 tons over 1938. Of the total of 55,327 tons for 1939, 53,174 tons were grain and 2,153 tons were general cargo.

Grain receipts were 1,064,781 bushels less than in 1938; shipments were 855,549 bushels greater. Grain in store at the close of 1939 was 2,494,610 bushels, as compared with 2,213,379 bushels at the end of 1938.

CARGO TONNAGE—FOREIGN AND DOMESTIC

Statement showing the total quantity of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Churchill during the calendar year 1939, with comparisons for the previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	1,561	53,174	54,735
Domestic.....	57	535	592
Total 1939.....	1,618	53,709	55,327
“ 1938.....	52	28,780	28,832
“ 1937.....	2,004	19,050	21,054
“ 1936.....	1,640	129,489	131,129
“ 1935.....	2,249	72,769	75,018

GRAIN ELEVATORS

Statement showing the total quantity of grain handled at the terminal elevator at the harbour of Churchill during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....		1,772,461	1,772,461
Via rail.....	2,053,691		2,053,691
Via other.....			
Total 1939.....	2,053,691	1,772,461	3,826,152
“ 1938.....	3,118,472	916,912	4,035,384
“ 1937.....		603,982	603,982
“ 1936.....	2,676,266	4,346,667	7,022,933
“ 1935.....	2,329,385	2,434,212	4,763,597

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$63,508.00. The larger items were dredging 97,750 cubic yards of material from basin in front of wharf and the approach channel; sheathing remaining portion of the wharf; repairing marine slipway cradle; laying concrete floor in machine shop; laying 690 linear feet of concrete side walks; repairing bin walls of grain elevator and resurfacing roof of elevator car shed and grinder room.

REVENUES AND EXPENDITURES

Some further improvement in operating results was shown during the year. Total revenues amounted to \$108,264, as compared with \$83,868 in 1938, an increase of \$24,396. Operating and maintenance expenses increased \$18,181, the comparable figures being \$154,672 for 1939 and \$136,491 for 1938.

After taking into account miscellaneous income charges, the net deficit was \$46,822 as compared with a deficit of \$55,234 in 1938, no charge for depreciation having been made, or for interest except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES

Harbour General		
Harbour Dues.....	\$ 45 50	
Miscellaneous.....	815 00	
	<u> </u>	\$ 860 50
Wharves and Piers		
Top Wharfage.....	517 68	
Dockage.....	300 00	
Miscellaneous.....	132 00	
	<u> </u>	949 68
Permanent Sheds		
Storage.....	217 00	
Miscellaneous.....	382 98	
	<u> </u>	599 98
Grain Elevator System		
Elevation.....	24,259 81	
Storage.....	69,023 23	
Miscellaneous.....	4,570 69	
	<u> </u>	97,853 73
Miscellaneous—Outsiders.....	8,000 34	
	<u> </u>	\$ 108,264 23

OPERATING EXPENSES

Administration.....	23,398 37	
Operation and Maintenance		
Harbour Dredging.....	57,479 83	
Harbour General.....	5,635 13	
Roads, Fences and Boundaries.....	109 14	
Wharves and Piers.....	2,618 16	
Permanent Sheds.....	1,401 16	
Railway System.....	1,365 13	
Grain Elevator System.....	55,794 16	
Miscellaneous—Outsiders.....	6,870 90	
	<u> </u>	131,273 61
		<u> </u>
Operating Deficit.....		46,407 75

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	83 83
	<u> </u>
	46,491 58

OTHER INCOME REQUIREMENTS

Interest due Dominion Government.....	330 54
Net Income Deficit.....	<u>\$ 46,822 12</u>

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS

FIXED	
Harbour Dredging.....	\$ 1,180,299 95
Real Estate.....	60,277 58
Miscellaneous Structures.....	181,602 40
Wharves and Piers.....	1,367,768 68
Permanent Sheds.....	200,594 74
Railway System.....	32,755 20
Grain Elevator System.....	4,133,460 34
Harbour Buildings.....	147,400 05
Harbour Shops.....	13,299 71
Electric Power System.....	19,491 34
Water Supply System.....	407,897 10
Floating Equipment.....	1,233,538 26
Miscellaneous Small Plant.....	434,252 11
Engineering—General Surveys.....	109,441 06
Sundry Expenditure (Undistributed).....	3,676,412 24
	<u>\$ 13,198,490 76</u>

CURRENT

Cash—Receiver General of Canada.....	7,553 34
Accounts Receivable.....	\$ 3,222 85
Less—Reserve for Bad Debts..	<u>1,730 82</u>
Stores on Hand.....	1,492 03
Accrued Revenue.....	74,520 79
	<u>71,625 30</u>

PREPAID CHARGES.....

155,191 46

316 83

\$ 13,353,999 05

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest Bearing)....	\$ 9,443 94
Expenditure under Appropriations.....	<u>13,249,080 19</u>
	13,258,524 13
CURRENT	
Accounts Payable.....	67,318 83
Salaries and Wages Payable.....	3,584 39
Matured Interest due Dominion Government.....	<u>554 67</u>
	71,457 89
DEFERRED CREDITS.....	<u>9,101 65</u>
	13,339,083 67
SURPLUS AND DEFICIT ACCOUNT	
Balance as at Dec. 31, 1938.....	6,247 55
Adjustments in 1939.....	8,998 37
Government Grant re 1939 Deficit.....	<u>46,491 58</u>
Deduct	61,737 50
Net Income Deficit for 1939.....	<u>46,822 12</u>
	14,915 38

\$ 13,353,999 05

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard Inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year around has a minimum depth of 35 feet. The Board operates three piers and two jetties having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,200,000 bushels, a combined loading capacity of about 200,000 bushels per hour and $1\frac{1}{2}$ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 Imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish.

SHIPPING

Vessels entering the harbour during 1939 reached an all-time record of 23,356 vessels of 11,993,815 net registered tons, the increase over 1938 in number of vessels being 1,066, or 5 per cent, and in net registered tonnage 373,322 tons, or 3 per cent. Deepsea arrivals increased in number by 65, or 7 per cent, and in net registered tonnage by 192,076 tons, or 5 per cent. Coastal or inland arrivals increased in number by 1,001, or 5 per cent, and in net registered tonnage by 181,246 tons, or 2 per cent.

VESSELS—ARRIVALS AND DEPARTURES

Statement showing the total number and net registered tonnage of vessels which arrived at and departed from the harbour of Vancouver during the calendar year 1939, with comparisons for previous years.

	Number of Vessels	Net Reg. Tonnage
Arrivals.....	23,356	11,993,815
Departures.....	23,378	12,013,520
Total 1939.....	46,734	24,007,335
“ 1938.....	44,515	23,200,770
“ 1937.....	45,215	23,207,764
“ 1936.....	39,345	23,871,557
“ 1935.....	36,571	22,415,692

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived at and departed from the harbour of Vancouver during the calendar year 1939 with comparison for 1938.

Classification	1939		1938	
	Number of Vessels	Net Reg. Tonnage	Number of Vessels	Net Reg. Tonnage
<i>Arrivals—</i>				
1. Deepsea or ocean-going commercial.....	1,049	4,221,384	984	4,029,308
2. Coastal or inland.....	22,307	7,772,431	21,306	7,591,185
3. Total.....	23,356	11,993,815	22,290	11,620,493
<i>Departures—</i>				
1. Deepsea or ocean-going commercial.....	1,061	4,271,331	978	4,020,454
2. Coastal or inland.....	22,317	7,742,189	21,247	7,559,823
3. Total.....	23,378	12,013,520	22,225	11,580,277
Total Arrivals and Departures.....	46,734	24,007,335	44,515	23,200,770

TRAFFIC

Cargo tonnage was 628,792 tons, or 10 per cent, greater than in 1938. Substantial increases were recorded in lumber and other forest products, petroleum, petroleum products, and grain. Marked decreases were shown in bituminous coal, sand and gravel, iron and steel commodities and slate.

Revenue cars handled by the terminal railway increased by 1,515 cars, or 7 per cent, over 1938.

CARGO TONNAGE—FOREIGN AND DOMESTIC

Statement showing the total quantity of water-borne tonnage landed from and loaded to vessels at the harbour of Vancouver during the calendar year 1939, with comparisons for the previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Classification	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
Foreign.....	1,565,414	2,116,944	3,682,358
Domestic.....	2,451,201	851,387	3,302,588
Total 1939.....	4,016,615	2,968,331	6,984,946
“ 1938.....	3,796,612	2,559,542	6,356,154
“ 1937.....	4,176,003	2,736,120	6,912,123
“ 1936.....	3,879,919	3,886,195	7,766,114
“ 1935.....	3,205,188	3,134,448	6,339,636

CARGO TONNAGE—COMMODITIES

Statement showing the principal commodities of water-borne cargo tonnage landed from and loaded to vessels at the harbour of Vancouver during the calendar year 1939, with comparisons for 1938.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1939	Outward 1939	Total 1939	Total 1938
	(Tons)	(Tons)	(Tons)	(Tons)
Logs, Posts, Poles, Piling.....	1,271,607	385,826	1,657,433	1,449,702
Petroleum, crude.....	1,014,724	155,071	1,169,795	1,086,872
Lumber, Timber, Box, Crate and Cooperage Material.....	406,969	524,281	931,250	824,113
Grain.....	16,043	893,818	909,861	678,246
Coal, bituminous.....	248,441	1,380	249,821	273,610
Sand and Gravel.....	229,480	16,751	246,231	305,763
Gasoline.....	60,936	155,071	216,007	170,935
Fish.....	60,582	75,644	136,226	121,110
Cordwood and other Firewood.....	2,354	98,359	100,713	100,345
Sugar.....	80,358	52	80,410	90,021
Newsprint.....	45,795	22,372	68,167	49,723
Paper (except newsprint).....	46,689	18,967	65,656	49,640
Ores and Concentrates, copper.....	5	63,695	63,700	53,580
Iron and Steel (Bar, Sheet, Structural, Pipe).....	33,767	23,434	57,201	79,272
Flour.....	1,703	48,272	49,975	33,835
Petroleum Products (except gasoline).....	37,209	1,445	38,654	26,779
Salt.....	28,627	5,246	33,873	21,774
Base Bullion, Matte, Pig and Ingot (non-ferrous metals).....	43	33,703	33,746	26,695
Cement.....	24,396	198	24,594	33,316
Fertilizers.....	11,714	11,240	22,954	33,390
Mill Products (except flour).....	8,967	13,916	22,883	17,610
Automobiles, Auto Trucks and Auto Parts.....	4,184	18,597	22,781	29,951
Canned Goods (except meats).....	15,399	7,197	22,596	17,948
Wood Pulp.....	13,914	6,532	20,446	14,737
Peanuts.....	16,816		16,816	12,961
Fish Oil.....	6,828	8,888	15,716	22,186
Dry Goods.....	13,789	1,540	15,329	15,207
Apples, fresh.....	1,545	13,617	15,162	11,469
Glassware and China.....	14,784	360	15,144	15,163
Chemicals and Acid.....	11,931	3,046	14,977	15,871
Fruit, fresh (except Apples).....	10,938	3,034	14,242	17,316
Ties.....	1,875	12,101	13,976	11,624
Toys.....	13,079	460	13,539	18,560
Fruit, dried.....	12,512	363	12,875	11,548
Castings, Machinery and Boilers.....	6,184	6,391	12,575	15,883
Tea.....	11,743	540	12,283	8,989
Nickel.....		12,210	12,210	7,006
Liquor Beverages.....	6,346	5,845	12,191	11,357
Rails and Fastenings.....	9,637	1,576	11,213	14,245
Groceries.....	9,381	1,659	11,040	11,093
Porcelain and Earthenware.....	10,790	21	10,811	11,106
Gunnies.....	9,624	75	9,699	10,053
Potatoes.....	3,507	5,957	9,464	7,257
Shingles.....	244	8,623	8,867	6,443
Coffee.....	7,824	244	8,068	6,986
Cattle and Calves.....	6,860	1,001	7,861	12,418
Plywood.....	559	6,470	7,029	3,743
Cans (Empty).....	33	6,916	6,949	5,882
Ores and Concentrates (except Copper).....	1,987	4,900	6,887	7,217
Lime and Plaster.....	5,559	978	6,537	8,080
Cocoanut Desiccated.....	4,185	1,930	6,115	7,062
Vegetables, Fresh (except Potatoes).....	2,663	3,387	6,050	7,464
Nuts and Nutmeats.....	4,675	951	5,626	4,525
Explosives.....	4,723	771	5,494	5,483
Raw Silk and Silk Goods.....	4,558	632	5,190	8,212
Rope and Twine.....	4,844	284	5,128	3,737
Hides and Leather.....	3,285	1,785	5,070	5,460
Oil (Vegetable).....	4,872	138	5,010	7,333
Brick and Artificial Stone.....	3,207	1,794	5,001	6,451
Hardware and Nails.....	4,353	427	4,780	6,221
Furniture.....	2,512	2,267	4,779	5,660
Asbestos and Manufactures.....	189	3,177	3,366	9,233
Slate, Dimension or Block Stone.....	1,433	873	2,306	35,716
Coke.....	1,656	395	2,051	5,967

PASSENGERS

Statement showing the number of passengers landed and embarked by vessels at the harbour of Vancouver during the calendar year 1939, with comparisons for previous years.

Classification	Landed	Embarked	Total
Foreign.....	9,477	11,229	20,706
Coastwise.....	584,274	582,082	1,166,356
Total 1939.....	593,751	593,311	1,187,062
“ 1938.....	581,250	588,925	1,170,175
“ 1937.....	594,376	606,616	1,200,992
“ 1936.....	479,836	482,240	962,076
“ 1935.....	393,588	394,478	788,066

GRAIN ELEVATORS

Statement showing the total quantity of grain handled at terminal elevators at the harbour of Vancouver during the calendar year 1939, with comparisons for previous years.

Classification	Receipts 1939	Shipments 1939	Total 1939
	(Bush.)	(Bush.)	(Bush.)
Via water.....	291,028	30,675,529	30,966,557
Via rail.....	33,305,579	3,002,081	36,307,660
Via other.....	230,573	.....	230,573
Total 1939.....	33,827,180	33,677,610	67,504,790
“ 1938.....	37,961,850	26,884,700	64,846,550
“ 1937.....	18,169,977	23,749,368	41,919,345
“ 1936.....	58,536,075	64,812,823	123,348,898
“ 1935.....	47,212,116	46,494,516	93,706,632

TERMINAL RAILWAY

Statement showing the number of railway cars handled by the National Harbours Board terminal railway at the harbour of Vancouver during the calendar year 1939, with comparisons for 1938.

Classification	1939	1938
Received from connecting lines—		
1. Revenue cars.....	13,633	13,462
2. Non-revenue cars.....	9,045	7,930
3. Total.....	22,678	21,392
Delivered to connecting lines—		
1. Revenue cars.....	9,210	7,770
2. Non-revenue cars.....	13,533	13,446
3. Total.....	22,743	21,216
Switched locally—		
1. Revenue cars.....	487	583
2. Non-revenue cars.....		583
3. Total.....	487	1,166
Total—		
1. Revenue cars.....	23,330	21,815
2. Non-revenue cars.....	22,578	21,959
3. Total.....	45,908	43,774

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$92,164.10, including maintenance on Second Narrows Bridge. The larger items were dredging to 10 foot depth at the City Dock at the head of False Creek; installation of a drainage system at No. 2 Elevator unloading shed; replacement of 60 lb. rail on west side Lapointe pier with new 85 lb. rail; sheathing No. 1 jetty grain conveyor gallery with galvanized iron and widening of north approach to the Second Narrows Bridge for the purpose of centralizing the toll collection at the administration building.

CAPITAL WORKS

During the year total expenditures on capital and replacement works amounted to \$146,526, the following being the principal items:—

Replacement Deck No. 1 Jetty.—In July 1939, a contract was awarded for the replacement of all timber above pile tops of No. 1 jetty with creosoted timber. The work was completed in September.

Repairs, Alterations and Additions Columbia Elevator.—In September 1939, a contract was awarded covering extensive repairs and alterations and the construction of a 250,000 bushel storage addition to Columbia elevator, acquired by the Board in 1939. The work was completed in December.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,578,036 as compared with \$1,453,905 in 1938, an increase of \$124,131. Operating and maintenance expenses amounted to \$590,743 as compared with \$566,397 in the previous year, an increase of \$24,346. The year's operations resulted in a surplus on operating account of \$987,293, being an increase over the previous year of \$99,785.

After taking into account income credits and debits and providing for reserve for replacements and interest due the Dominion Government, there was a net income deficit of \$442,197 as compared with \$505,007 in 1938.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES

Harbour General		
Harbour Dues.....	\$ 116,674 69	
Cargo Rates.....	451,810 06	
Miscellaneous.....	292,196 10	
	<u> </u>	\$ 860,680 85
Wharves and Piers		
Top Wharfage.....	162,075 05	
Miscellaneous.....	21,728 57	
	<u> </u>	183,803 62
Permanent Sheds		
Shed Rentals.....	18,747 50	
Storage.....	51,809 41	
Miscellaneous.....	7,462 44	
	<u> </u>	78,019 35
Railway System.....		117,716 63
Grain Elevator System		
Rentals.....		301,992 77
Cold Storage System		
Storage.....	2,973 11	
Miscellaneous.....	31,712 98	
	<u> </u>	34,686 09
Miscellaneous—Outsiders.....		1,137 27
		<u> </u>
		\$ 1,578,036 58

OPERATING EXPENSES

Administration.....	105,953 97	
Operation and Maintenance—		
Harbour Dredging.....	10,076 93	
Harbour General.....	177,445 10	
Roads, Fences and Boundaries.....	355 84	
Wharves and Piers.....	72,154 09	
Permanent Sheds.....	70,210 95	
Shed Hoists.....	568 55	
Railway System.....	116,406 36	
Grain Elevator System.....	12,730 38	
Cold Storage System.....	24,841 29	
	<u> </u>	484,789 49
		<u> </u>
Operating Income.....		590,743 46
		<u> </u>
		987,293 12

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 127,395 23

MISCELLANEOUS INCOME CREDITS..... 46,019 73

Total Income..... 1,160,708 08

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves..... 122,693 53

Miscellaneous Income Charges..... 1,454 30

124,147 83

1,036,560 25

OTHER INCOME REQUIREMENTS

Reserve for Replacements..... 250,000 00

Interest due Dominion Government..... 1,228,756 79

1,478,756 79

Net Income Deficit..... \$ 442,196 54

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS

FIXED	
Real Estate.....	\$ 6,642,862 96
Vehicular Bridges.....	98,181 20
Roads, Fences and Boundaries.....	284,491 77
Miscellaneous Structures.....	9,926 21
Wharves and Piers.....	7,884,070 55
Permanent Sheds.....	1,437,356 96
Railway System.....	1,337,781 05
Grain Elevator System.....	6,226,089 71
Cold Storage System.....	68,737 88
Office Furniture and Appliances.....	33,886 62
Harbour Buildings.....	63,221 32
Floating Equipment.....	108,463 88
Shore Equipment.....	248,981 66
Miscellaneous Small Plant.....	41,527 93
Engineering—General Surveys.....	3,084 59
Works Under Construction.....	98,475 55
	<u>\$ 24,587,139 84</u>
CURRENT	
Cash—Receiver General of Canada.....	\$ 381,972 55
Cash—On Hand.....	2,547 67
	<u>384,520 22</u>
Accounts Receivable.....	130,499 96
Less—Reserve for Bad Debts.....	15,478 18
	<u>115,021 78</u>
Advances due on Capital Account.....	50,500 00
Stores on Hand.....	29,686 09
Accrued Revenue.....	8,743 75

SECOND NARROWS BRIDGE—EQUITY	
INVESTMENTS.....	603,950 02
SECURITY DEPOSITS.....	914,900 38
REPLACEMENT FUND.....	44,693 00
FIRE AND GENERAL INSURANCE FUND.....	11,637 50
MISCELLANEOUS FUNDS.....	2,732,177 39
PREPAID CHARGES.....	28,041 43
DEFERRED DEBITS.....	2,529 88
	<u>3,815 18</u>
	226,592 33
	<u>\$ 29,155,476 95</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT	
Loans and Advances (Interest Bearing).....	\$ 24,982,155 03
Government Loans Applied For—Contra.....	50,500 00
	<u>25,032,655 03</u>
ACCOUNTS PAYABLE—CONSTRUCTION	
CURRENT	
Accounts Payable.....	118,895 90
Salaries and Wages Payable.....	3,073 78
Matured Interest Unpaid due Dominion Government.....	2,700,067 28
Unclaimed Wages.....	373 62
	<u>2,822,410 58</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	<u>11,637 50</u>
RESERVES	
Replacement.....	2,732,298 20
Fire and General Insurance.....	28,041 43
	<u>2,760,339 63</u>
DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	<u>91,920 38</u>
	<u>30,722,463 12</u>
SURPLUS AND DEFICIT ACCOUNT	
Deficit as at December 31, 1938.....	1,029,598 99
Adjustments in 1939.....	95,190 64
Net Income Deficit for 1939.....	<u>442,196 54</u>
	<u>1,566,986 17</u>

\$ 29,155,476 95

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge at the harbour of Vancouver during the calendar year 1939, with comparisons for 1938.

Classification	1939	1938
	Revenue Passages	Revenue Passages
Passengers in vehicles, and Pedestrians.....	1,393,266	2,364,113
Automobiles (passenger).....	458,208	830,709
Trucks (including buses).....	116,123	148,983
All others.....	1,564	1,925
Total.....	1,969,161	3,345,730

REVENUES AND EXPENDITURES

Operating revenues amounted to \$110,225 as compared with \$178,040 in 1938, a decrease of \$67,815. This substantial decrease in revenues is accounted for by the opening of a second bridge connection across the harbour, viz.: the Lions' Gate Bridge, located at First Narrows and serving traffic between the west end of the City of Vancouver and North and West Vancouver. Operating and maintenance expenses were \$57,074 as against \$62,630, the operating surplus being \$52,973 as against \$115,410 in 1938.

After charging the current year's interest and reserve for replacements, the net income surplus was \$1,312 as against \$60,420 in 1938.

Under the agreement relating to the purchase and reconstruction of the bridge, net revenue is applied to payment of equal annual instalments of principal and interest calculated to repay the cost of reconstruction in 20 years. This annual instalment amounts to \$81,078. The balance of unpaid matured instalments at the end of 1939 was \$73,341.

INCOME STATEMENT FOR THE CALENDAR YEAR 1939

OPERATING REVENUES		
Bridge Tolls.....	\$ 108,869 00	
Sundry Receipts.....	1,355 81	
		\$ 110,224 81
OPERATING EXPENSES		
Administration.....	2,400 00	
Operation.....	43,768 58	
Maintenance.....	10,905 77	
		57,074 35
Operating Income.....		53,150 46
INCOME RECEIVED FROM RESERVE FUNDS		786 20
Total Income.....		53,936 66
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income received from Reserve Funds transferred to Reserve.....	786 20	
Miscellaneous Income Charges.....	177 82	
		964 02
INTEREST ON DEBT TO VANCOUVER HARBOUR.....		52,972 64
		45,745 02
OTHER INCOME REQUIREMENTS		7,227 62
Reserve for Replacements.....		5,915 17
Current Operating Surplus (before providing for instalments of principal)....	\$	1,312 45

Second Narrows Bridge—Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS		LIABILITIES	
FIXED		CAPITAL	
Capital Cost Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured balance..	\$ 841,559 18
Office Furniture and Appliances.....	507 47		
CURRENT		CURRENT	
Cash—Receiver General of Canada \$780 66		Accounts Payable.....	\$ 2,349 04
Cash on hand.....	423 05	Ticket Liability.....	4,648 97
		Vancouver Harbour—Matured instalment unpaid.....	73,341 20
Accounts Receivable.....	1,203 71		
Stores on hand.....	523 68		80,339 21
	1 84		
		RESERVES	
		Replacement.....	33,985 87
REPLACEMENT FUND.....	1,729 23		
		DEFERRED CREDITS.....	8 33
PREPAID CHARGES.....	33,985 87		955,892 59
		SURPLUS ACCOUNT	
	3,047 80	Representing Repayment of Principal out of Income	
DEFERRED DEBITS.....	3,034 29	Balance as at December 31, 1938.....	92,697 18
		Add—	
		Adjustment of Interest to December 31, 1938.....	2,810 24
		Current Operating Surplus (not yet applied to Repayment of Principal).....	95,507 42
			1,312 45
			96,819 87
			\$ 1,052,712 46
			\$ 1,052,712 46

HEAD OFFICE, OTTAWA

Statements of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board, and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1939

REVENUE

Assessments.....	\$ 126,838 99
Sundry Receipts.....	49 28
	<u>126,888 27</u>

EXPENDITURE

Salaries.....	\$ 91,209 17
Travelling Expenses.....	5,352 97
Advertising.....	2,510 56
Office Expenses.....	11,529 02
Treasury Office—Salaries and Expenses.....	16,286 55
	<u>126,888 27</u>

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1939

ASSETS		LIABILITIES	
Fixed		Current	
Office Furniture and Appliances.....	\$ 3,982 99	Accounts Payable.....	\$ 1,000 00
		General Workmen's Compensation Accounts	
Current		Accounts Payable.....	\$ 6,482 92
Cash—Receiver General of Canada.....	990 00	Reserve.....	97,685 39
Accounts Receivable.....	10 00		
			104,148 31
			105,148 31
General Workmen's Compensation Accounts		Surplus as at December 31, 1938.....	4,147 91
Cash and Securities.....	99,452 63	Deduct—	
Accounts Receivable.....	4,695 68	Adjustments in 1939.....	164 92
			3,982 99
			109,131 30
			109,131 30

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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1940



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1941

Price, 25 cents



ANNUAL REPORT
OF THE
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BOARD

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1941

NATIONAL HARBOURS BOARD

R. K. Smith, K.C.....	Chairman.
Colonel A. E. Dubuc.....	Vice-Chairman.
B. J. Roberts.....	Member.

F. W. Riddell.....	Executive Secretary.
J. T. Rowan.....	Assistant Secretary.

Halifax.....	R. W. Hendry.....	Port Manager.
Saint John.....	Alex. Gray.....	Port Manager and Chief Engineer.
Chicoutimi.....	L. A. Dussault.....	Port Manager.
Quebec.....	Louis Beaudry.....	Port Manager and Acting Chief Engineer.
Three Rivers.....	J. R. Larivière.....	Port Manager.
Montreal.....	Alex. Ferguson.....	Port Manager.
Prescott.....	G. T. Birch.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	K. J. Burns.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 31, 1941.

To the Honourable P. J. A. CARDIN, K.C., M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the fifth annual report of the National Harbours Board, covering the operations for the calendar year 1940, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING AND CARGO TONNAGE

The aggregate volume of shipping at harbours administered by the Board was substantially greater during 1940 than in the previous year. Vessel arrivals numbered 46,100, which was 5,206 over the number of entries in 1939. The aggregate net registered tonnage was 36,658,366 in 1940, as compared with 33,997,984 in 1939.

The volume of water-borne cargo tonnage showed a moderate increase over the previous year. In 1940, 30,048,502 tons (W. or M.) were carried, as compared with 29,694,157 tons in 1939.

The movements of vessels and the classes of cargo carried have naturally been influenced considerably by the necessities of the war, and the changes which have taken place have affected different harbours in varying degree.

Owing to war conditions, the traffic statistics of individual harbours, normally presented in our report, are not being published this year. The decision to omit these figures was taken after consultation with officials of the Statistical, Naval and Censorship branches of the Government and in order to conform with prevailing practice governing the publication of information relating to shipping and trade.

REVENUES AND EXPENDITURES

Operating revenues in 1940 were the highest in the experience of the Board, amounting to \$10,602,199 and showing an increase of \$1,509,058, or 16 per cent over those of the preceding year. Expenses of administration, operation and maintenance required \$4,506,827, a figure exceeding that of the year before by \$248,006, or almost 6 per cent. In large part, this increase in expenses was attributable to the operations of terminal railways, grain elevators, cold storage plants and shore and floating equipment, all of which showed commensurate increases in earnings. Operating profit for the year was \$6,095,372, as compared with \$4,834,319 in 1939, an increase of \$1,261,053, or 26 per cent.

After taking into account miscellaneous income debits and credits and providing for interest and reserve for replacements, the net income deficit for the year was \$3,737,149, as compared with \$4,874,293 in 1939, showing an improvement of \$1,137,144.

Following the practice adopted in previous reports, separate consolidated statements are given for the seven harbours administered by local commissioners prior to 1936 and for the grain elevators at Prescott and Port Colborne and the harbour of Churchill, which were entrusted to the Board for operation at the beginning of 1937.

The harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver had aggregate operating revenues of \$10,034,760, as compared with \$8,486,475 in 1939, an increase of \$1,548,285, or 18 per cent. Expenses of administration, operation and maintenance increased from \$3,910,164 in 1939 to \$4,211,597 in 1940, or by \$301,433, nearly 8 per cent. Operating income was \$1,246,852 greater than in 1939.

After taking into account miscellaneous income charges and providing for interest and reserve for replacements, a net income deficit of \$4,006,837 was shown in 1940, as compared with \$5,134,029 in 1939, an improvement of \$1,127,192.

The following is a comparative income statement for the seven harbours referred to for each of the years 1935 to 1940, inclusive:—

CONSOLIDATED INCOME STATEMENT

(EXCLUDING PRESCOTT, PORT COLBORNE AND CHURCHILL)

—	1940	1939	1938	1937	1936	1935
OPERATING REVENUES.....	\$10,034,760	\$8,486,475	\$8,742,456	\$8,262,221	\$8,030,600	\$7,427,455
OPERATING AND MAINTENANCE EXPENSES.....	4,211,597	3,910,164	4,063,709	4,268,675	4,494,713	4,975,756
Operating Income....	5,823,163	4,576,311	4,678,747	3,993,546	3,535,887	2,451,699
MISCELLANEOUS CREDITS (Net).....	105,528	65,891	3,161	81,470	37,146	6,198
Total Income.....	5,717,635	4,510,420	4,681,908	4,075,016	3,573,033	2,445,501
INTEREST DUE PUBLIC.....	1,045,045	1,046,974	1,095,916	1,203,082	1,298,719	1,325,300
OTHER INCOME REQUIREMENTS	4,672,590	3,463,446	3,585,992	2,871,934	2,274,314	1,120,201
Reserve for Replacements	1,965,252	1,958,640	1,923,348	1,909,186	1,907,179	788,359
Interest due Government	7,014,175	6,938,835	6,813,177	6,690,736	6,543,718	6,376,300
	8,979,427	8,897,475	8,736,525	8,599,922	8,450,897	7,164,659
	4,306,837	5,434,029	5,150,533	5,727,988	6,176,583	6,044,458
Deduct—Special Contributions to Deficits (Bridge—Montreal).....	300,000	300,000	300,000	300,000	300,000	300,000
Net Income Deficit....	\$4,006,837	\$5,134,029	4,850,533	\$5,427,988	\$5,876,583	\$5,744,458

It will be observed from the foregoing statement that since 1935, the year in which the change in harbour administration took place, operating revenues have increased from \$7,427,455 to \$10,034,760, a gain of \$2,607,305, or 35 per cent. Notwithstanding the marked increase in harbour activity, operating expenses have, in the same period, declined by \$764,159, or 15 per cent. Operating income has risen from \$2,451,699 in 1935 to \$5,823,163 in 1940. The improvement on operating account was therefore \$3,371,464, or 137 per cent.

The net income deficit in 1940, after provision for interest and reserve for replacements, was \$4,006,837, as compared with the deficit of \$5,744,458 shown in 1935. The apparent improvement was therefore \$1,737,621. More adequate provision is now made for depreciation of physical properties than in 1935, the amount reserved in 1940 being \$1,965,252, as compared with \$788,359 in 1935. When allowance is made for this larger appropriation to reserves, the result in 1940 is found to be more favourable than in 1935 by upwards of \$2,800,000.

The improvement in operating results in each of the harbours is indicated in the following statement:—

STATEMENT OF OPERATING REVENUES, OPERATING EXPENSES and OPERATING INCOME FOR THE YEARS 1935, 1936, 1937, 1938, 1939 and 1940

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Halifax.....1935	500,936	504,851	3,915*
1936	510,179	433,040	77,139
1937	581,740	429,472	152,268
1938	599,856	420,765	179,091
1939	744,470	420,841	323,629
1940	1,225,787	547,285	678,502
Change—1940 relative to 1935.....	+724,851	+ 42,434	+682,417
Saint John.....1935	322,954	272,860	50,094
1936	367,448	256,380	111,068
1937	435,952	240,302	195,650
1938	445,726	242,544	203,182
1939	466,004	237,882	228,122
1940	661,359	258,901	402,458
Change—1940 relative to 1935.....	+338,405	— 13,959	+352,364
Chicoutimi.....1935	13,328	20,401	7,073*
1936	21,307	18,639	2,668
1937	21,750	14,361	7,389
1938	21,254	13,374	7,880
1939	20,414	14,078	6,336
1940	34,139	15,247	18,892
Change—1940 relative to 1935.....	+20,811	— 5,154	+ 25,965
Quebec.....1935	466,474	781,758	315,284*
1936	482,542	673,838	191,295*
1937	447,780	572,334	124,554*
1938	488,013	537,316	49,303*
1939	469,424	492,203	22,779*
1940	684,988	504,078	180,910
Change—1940 relative to 1935.....	+218,514	—277,680	+496,194
Three Rivers.....193	93,076	47,837	45,239
1936	122,347	32,191	90,156
1937	172,309	18,023	154,286
1938	191,881	33,242	158,639
1939	165,682	18,147	147,535
1940	237,924	44,905	193,019
Change—1940 relative to 1935.....	+144,848	— 2,932	+147,780
Montreal.....1935	4,032,770	2,394,967	1,637,803
1936	4,238,836	2,209,179	2,029,657
1937	4,377,350	2,136,800	2,240,550
1938	4,917,837	2,095,656	2,822,181
1939	4,469,097	1,987,928	2,481,169
1940	5,117,818	2,116,681	3,001,137
Change—1940 relative to 1935.....	+1,085,048	—278,286	+1,363,334
Jacques Cartier Bridge (Montreal).....1935	347,698	145,439	202,259
1936	354,867	91,861	263,006
1937	423,785	84,550	339,235
1938	445,945	91,785	354,160
1939	463,124	91,266	371,858
1940	474,270	103,167	371,103
Change—1940 relative to 1935.....	+126,572	— 42,272	+168,844

STATEMENT OF OPERATING REVENUES, OPERATING EXPENSES and OPERATING INCOME FOR THE YEARS 1935, 1936, 1937, 1938, 1939 and 1940—*Concluded*

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Vancouver.....1935	1,537,044	736,554	800,490
1936	1,792,980	718,997	1,073,983
1937	1,636,648	708,830	927,818
1938	1,453,905	566,397	887,508
1939	1,578,036	590,743	987,293
1940	1,480,904	568,853	912,051
Change—1940 relative to 1935.....	— 56,140	— 167,701	+111,561
Second Narrows Bridge (Vancouver).....1935	113,168	71,083	42,085
1936	140,089	60,586	79,502
1937	164,899	62,611	102,288
1938	178,039	62,630	115,409
1939	110,225	57,074	53,151
1940	117,569	52,480	65,089
Change—1940 relative to 1935.....	+ 4,401	— 18,603	+ 23,004

* Deficit.

Turning now to the operations of the grain elevators at Prescott and Port Colborne and the harbour of Churchill, aggregate revenues were \$567,439, showing a reduction of \$39,226 from the figure of \$606,665 reported for the previous year. Operating expenses totalled \$295,230, as compared with \$348,658 in 1939. After taking into account miscellaneous income charges, the surplus was \$269,688 in 1940, as against \$259,736 in the preceding year. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1940, showing also comparative figures for the preceding four years:—

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1940	1939	1938	1937	1936
Operating Revenues.....	\$ 567,439	\$ 606,665	\$ 402,480	\$ 190,133	\$ 448,838
Operating and Maintenance Expenses....	295,230	348,658	345,015	329,766	487,667
	272,209	258,007	57,465	139,633	38,829
Other Debits and Credits (Net).....	2,521	1,729	3,916	1,943	781
Net Income Surplus or Deficit...	\$ 269,688	\$ 259,736	\$ 53,549	\$ 137,690	\$ 38,048

CAPITAL EXPENDITURE

Expenditures on fixed assets charged to capital during 1940 amounted to \$492,044. An additional sum of \$113,539, charged to replacement reserve, was expended on replacement of physical assets, the total outlay being \$605,583 as follows:—

CAPITAL—

Halifax.....	\$ 173,268
Saint John.....	46,032
Quebec.....	7,586
Montreal.....	161,881
Churchill.....	815
Vancouver.....	102,462
	<hr/>
	\$ 492,044

Replacement of Physical Assets—

Halifax.....	49,549	
Montreal.....	63,990	
	<hr/>	113,539
		<hr/>
	\$	605,583
		<hr/>

The expenditures charged to capital are financed by advances from the Dominion Treasury, on which interest at the rate of 3½ per cent per annum is charged.

The book value of fixed assets as at December 31, 1940, was \$223,753,117.

Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

Debentures held by the public, which matured during the year, amounted to \$48,156, being obligations of the harbour of Saint John. An advance from the Dominion Treasury, on the same terms as for capital expenditures, was authorized to redeem this debt.

Other payments from the Dominion Treasury in respect of the year's operations were required to cover cash deficits resulting from the operation of Jacques Cartier Bridge, Montreal, \$425,000, and the harbour of Churchill, \$39,914.

The total sum required from the Dominion Treasury for the year amounted to \$1,005,114, composed of capital expenditures, \$492,044, retirement of debt, \$48,156, and deficits, \$464,914.

On the other hand, payments made by the Board to the Dominion Treasury in the course of the year totalled \$3,658,023, made up of interest on advances, \$3,150,000; earnings of Port Colborne elevator, \$107,181 and of Prescott elevator, \$217,665; and refund of advances for capital expenditures in previous years, \$183,177.

Reserve funds in the form of investments or cash balances on deposit with the Receiver General of Canada had a book value of \$9,451,155 as at December 31, 1940, the net increase during the year being \$2,196,155. These reserves have been set aside from earnings for the replacement of physical assets and for insurance and workmen's compensation funds.

As provided by Section 31 of The National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

AUDIT

The Auditor General of Canada has carried on a continuous audit of the accounts.

Mr. R. O. Campney, K.C., who rendered most valuable service as Chairman of the Board since its inception, resigned May 31, 1940.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, are appended to this report.

Respectfully submitted,

R. K. SMITH,
Chairman.

A. E. DUBUC,
Vice-Chairman.

B. J. ROBERTS.

F. W. RIDDELL.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Harbour General.....	\$ 999,955 07
Wharves and Piers.....	4,164,206 17
Permanent Sheds.....	626,810 93
Shed Hoists.....	29,777 00
Railway System.....	704,741 98
Grain Elevator System.....	2,594,748 45
Cold Storage System.....	477,400 73
Miscellaneous—Outsiders.....	412,718 91
Bridge Tolls and Sundry Receipts.....	591,839 63
	<u>\$10,602,198 87</u>

OPERATING EXPENSES—

Administration.....	598,150 26
Operation and Maintenance—	
Harbour Dredging.....	\$ 158,876 94
Harbour General.....	556,250 89
Vehicular Bridges.....	3,873 08
Roads, Fences and Boundaries.....	56,415 00
Sewers and Drains.....	6,692 72
Wharves and Piers.....	261,623 09
Permanent Sheds.....	341,181 75
Shed Hoists.....	17,126 92
Railway System.....	622,827 85
Grain Elevator System.....	1,031,809 99
Cold Storage System.....	406,459 85
Miscellaneous Outsiders.....	301,805 75
Departmental Services.....	12,064 40
Bridges.....	131,668 72
	<u>3,908,676 95</u>
	<u>4,506,827 21</u>
Operating Income.....	6,095,371 66

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	288,697 61
MISCELLANEOUS INCOME CREDITS.....	46,241 93
	<u>334,939 54</u>
Total Income.....	6,430,311 20

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	288,697 61
Reserve for Bad Debts.....	13,572 60
Miscellaneous Income Charges.....	23,406 58
Trustees' Fees, Commissions, Bond Discount, etc.....	116,930 62
	<u>422,657 41</u>

Income Available for Interest due Public..... 5,987,653 79

INTEREST ON DEBT TO THE PUBLIC.....	1,045,044 81
	<u>4,942,608 98</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,799,111 95
Reserve for Depreciation.....	166,140 00
Interest due Dominion Government.....	7,014,506 08
	<u>8,979,758 03</u>

Deduct:

Special Contributions to Deficit (Bridge-Montreal)..... 300,000 00

Net Income *Deficit*..... \$ 3,737,149 05

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,268,659 60	
Real Estate.....	12,754,564 19	
Vehicular Bridges.....	300,573 53	
Roads, Fences and Boundaries.....	1,760,538 47	
Sewers and Drains.....	663,600 13	
Miscellaneous Structures.....	761,799 40	
Wharves and Piers.....	87,348,771 51	
Permanent Sheds.....	19,785,196 73	
Shed Hoists and Electric Cranes.....	266,373 85	
Railway System.....	7,378,290 85	
Grain Elevator System.....	42,042,312 38	
Cold Storage System.....	5,717,950 06	
Office Furniture and Appliances.....	131,299 33	
Harbour Buildings.....	738,359 99	
Central Heating Plants.....	156,453 31	
Harbour Shops.....	331,107 97	
Electric Power System.....	1,349,521 79	
Water Supply System.....	729,202 13	
Floating Equipment.....	2,250,877 29	
Shore Equipment.....	587,350 21	
Miscellaneous Small Plant.....	579,431 16	
Engineering-General Surveys.....	606,402 98	
Works under Construction.....	385,110 59	
Sundry Expenditure-Undistributed.....	5,297,865 94	
Bridge Construction and Right-of-Way, etc.....	19,561,503 35	
		\$223,753,116 74

CURRENT—

Cash.....	1,180,247 74
Accounts Receivable.....	1,747,819 39
Advances due on Capital Account.....	67,994 27
Stores on Hand.....	412,723 69
Accrued Revenue.....	256,486 34
Other Assets.....	65,442 29

3,730,713 72

INVESTMENTS.....	44,693 00
SECURITY DEPOSITS.....	120,251 61
REPLACEMENT FUND.....	8,859,520 67
FIRE AND GENERAL INSURANCE FUND.....	457,507 05
GENERAL WORKMEN'S COMPENSATION FUND.....	134,127 45
MISCELLANEOUS FUNDS.....	27,846 12
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	255,064 98
PREPAID CHARGES.....	25,215 03
DEFERRED DEBITS.....	719,853 37

\$ 238,127,909 74

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1940

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....	\$ 21,003,582 35	
DOMINION GOVERNMENT ACCOUNT		
Loans and Advances(Interest Bearing).....	\$ 155,210,174 69	
Expenditure under Appropriations.....	49,125,853 79	
Government Loans Applied for.....	86,149 74	
		204,422,178 22
ACCOUNTS PAYABLE—CONSTRUCTION.....		71,936 69
CURRENT		
Working Capital Advances.....	10,000 00	
Accounts Payable.....	268,983 15	
Salaries and Wages Payable.....	21,468 01	
Matured Interest Unpaid—		
Due Public.....	19,412 75	
Due Dominion Government.....	47,295,922 79	
Accrued Interest due Public.....	185,276 12	
Contractors' Holdbacks—Maintenance.....	770 61	
Unclaimed Wages.....	703 29	
Matured Debentures due Public.....	15,500 00	
Other Current Liabilities.....	4,648 97	
		47,822,685 69
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		120,251 61
RESERVES		
Replacement.....	10,337,649 13	
Fire and General Insurance.....	458,842 36	
General Workmen's Compensation.....	134,127 45	
Miscellaneous.....	1,529,302 73	
		12,459,921 67
DEFERRED CREDITS.....		212,474 08
		286,113,030 31
SURPLUS AND DEFICIT ACCOUNT		
Deficit as at December 31, 1939.....	43,906,669 55	
Adjustments in 1940.....	381,215 59	
Net Income Deficit for 1940.....	3,737,149 05	
	48,025,034 19	
Deduct:		
Government Grants.....	39,913 62	
		47,985,120 57
		<u>\$ 238,127,909 74</u>

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the Ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates 7 main piers and wharves having about 13,600 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,273,000 square feet. In addition, the Board manages a 2,200,000 bushel grain elevator with a maximum loading capacity of 90,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,075,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$88,928. The larger items were repairs to the decks of Piers 3 and 4; the reconstruction of floating fenders; the erection of additional barrier fences, special lighting and sentry boxes as protective measures, due to war conditions.

CAPITAL WORKS

During the year total expenditures on capital and replacement works amounted to \$222,817, the following constituting the principal items:—

Reconstruction Grain Shipping Gallery 24.—Work on the contract for reconstruction in steel and concrete of shipping gallery No. 24 was commenced in 1939. The gallery was first used for shipment of grain on February 17, 1940, and all contract work was completed May 30, 1940.

Cold Storage Annex.—In 1939 a contract was awarded for the construction of a four-storey, reinforced concrete and timber annex to the Cold Storage Terminal to be used for the freezing and storing of bait fish and fish food products. The contract was completed in May, 1940.

Additional Equipment for Cold Storage Powerhouse.—An inter-cooler and oil trap in the ammonia piping system of the Cold Storage Terminal power house were installed together with necessary piping and auxiliary equipment. A motor driven centrifugal pump of 1,600 gallon capacity was also installed, with the required piping and valves, to ensure an adequate supply of salt water for the ammonia condensers.

Equipment for Cold Storage Annex.—Equipment for the handling of bait fish in the Cold Storage Annex was provided, including wooden trays for the sharp freezers, floor racks for the storage room, metal lined chutes, warehouse trucks, wash tanks, wash water pump, concrete slab at dock side, receiving hopper, rubber hose and valves.

Acquisition of Floating Crane.—A 15-ton floating crane was purchased in December, 1940, for general harbour use, including lighterage.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,225,787, an increase of \$481,317 over the previous year. Operating and maintenance expenses amounted to \$547,285, as against \$420,841 in the previous year, an increase of \$126,444. The net operating income of \$678,502 showed an increase of \$354,873 over 1939.

After charging reserve for replacements and interest due the Dominion Government, the year's operations resulted in a net income deficit of \$91,690, as compared with \$444,907 in the previous year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Harbour General.....	\$ 81,540 53
Wharves and Piers.....	634,594 05
Permanent Sheds.....	109,550 02
Grain Elevator System.....	133,642 81
Cold Storage System.....	216,909 40
Miscellaneous—Outsiders.....	49,550 69
	<u>\$ 1,225,787 50</u>

OPERATING EXPENSES—

Administration.....	54,549 58
Operation and Maintenance	
Harbour General.....	\$ 59,123 95
Roads, Fences and Boundaries.....	4,504 44
Sewers and Drains.....	517 18
Wharves and Piers.....	31,224 69
Permanent Sheds.....	111,219 70
Grain Elevator System.....	120,144 28
Cold Storage System.....	133,463 63
Miscellaneous—Outsiders.....	32,537 46
	<u>492,735 33</u>
	<u>547,284 91</u>
Operating Income.....	678,502 59

INCOME RECEIVED FROM RESERVE FUNDS.....	16,763 10
MISCELLANEOUS INCOME CREDITS.....	3,014 70
	<u>19,777 80</u>
Total Income.....	698,280 39

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income Received from Reserve Funds transferred to Reserves.....	16,763 10
Reserve for Bad Debts.....	479 07
Miscellaneous Income Charges.....	74 89
	<u>17,317 06</u>
	680,963 33

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00
Interest due Dominion Government.....	572,652 94
	<u>772,652 94</u>
Net Income Deficit.....	<u><u>\$ 91,689 61</u></u>

Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 160,815 06	Loans and Advances (Interest bearing).....	\$12,481,372 71
Real Estate.....	532,701 91	Expenditure under Appropriations.....	14,762,404 61
Roads, Fences and Boundaries.....	238,737 01		<u>\$27,243,777 32</u>
Sewers and Drains.....	60,611 27		
Miscellaneous Structures.....	28,387 08	ACCOUNTS PAYABLE—CONSTRUCTION.....	254 39
Wharves and Piers.....	16,065,589 47		
Permanent Sheds.....	4,993,480 46		
Grain Elevator System.....	2,327,433 75		
Cold Storage System.....	1,918,598 83		
Office Furniture and Appliances.....	26,676 26	CURRENT—	
Central Heating Plants.....	65,216 59	Accounts Payable.....	\$ 25,607 60
Electric Power System.....	39,707 87	Salaries and Wages Payable.....	5,052 11
Water Supply System.....	99,339 32	Matured Interest Unpaid—	
Floating Equipment.....	3,166 34	Due Public.....	\$ 2,220 00
Shore Equipment.....	53,947 94	Due Dominion Government.....	3,828,627 22
Miscellaneous Small Plant.....	68,707 63		<u>15,000 00</u>
Engineering—General Surveys.....	475,501 67	Matured Debentures due Public.....	3,874,286 93
Works under Construction.....	44,872 07		<u>58,031 88</u>
	<u>\$27,203,590 53</u>	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	
CURRENT—			
Cash—Receiver General of Canada.. \$ 55,557 69			
Cash—On Hand.....	378 71		
	<u>55,936 40</u>	RESERVES—	
Accounts Receivable.....	152,033 25	Replacement.....	900,819 79
Less—Reserve for Bad Debts.....	1,123 71	Fire and General Insurance.....	43,603 32
	<u>150,909 54</u>		<u>944,423 11</u>
Stores on Hand.....	29,848 68		
Accrued Revenue.....	32,986 26	DEFERRED CREDITS.....	1,723 65
Other Assets.....	1,927 29		<u>32,122,497 28</u>
	<u>271,608 17</u>		
SECURITY DEPOSITS.....	58,031 88	SURPLUS AND DEFICIT ACCOUNT—	
REPLACEMENT FUND.....	900,801 79	Deficit as at December 31, 1939.....	3,449,367 88
FIRE AND GENERAL INSURANCE FUND.....	43,498 93	Adjustments in 1940.....	73,955 20
MISCELLANEOUS FUNDS.....	17,220 00	Net Income Deficit for 1940.....	91,689 61
PREPAID CHARGES.....	193 77		<u>3,615,012 69</u>
DEFERRED DEBITS.....	12,539 52		
	<u>\$28,507,484 59</u>		<u>\$28,507,484 59</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 19 deep water wharves having some 11,800 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water and 16 transit sheds, including 2 frost-proof sheds, with an aggregate floor space of about 745,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to 9 of the berths by over 2 miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. A 45-ton fixed derrick is available at berth 1, Navy Island. A 15-ton floating derrick is also available together with scows for lighterage.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$126,891. The larger items were the dredging of the approaches to berths 1, 2 and 3 to a minimum depth of 30 feet at extreme low tide; the reconditioning of disintegrated concrete at berths 11 and 12; the reconstruction of a portion of the deck of the railway trestle in the centre of Long wharf; the replanking of Reed's Point wharf; the reconstruction of bulkhead walls at Quinn's slip, Carritte's slip and King St. West slip; the painting of three sheds, the grain elevator and part of the grain galleries.

CAPITAL WORKS

During 1940 the expenditures on capital account amounted to \$46,032, as follows:—

Acquisition of Floating Crane.—A 15-ton floating crane was purchased in December, 1940, for general harbour use, including lighterage.

WAR APPROPRIATION WORKS

During the year expenditures amounting to \$227,664 were made from funds provided under the War Appropriation Act, 1940, the following constituting the principal items:—

Dredging Courtenay Bay Entrance Channel.—The contract which was awarded in October, 1939, was extended and another contract was awarded in June for dredging the entrance channel to Courtenay Bay to a depth of 17 feet below extreme low water and for a width of 500 feet, with an additional width of 450 feet at the drydock entrance, to form a turning basin. Dredging was completed in August.

Dredging Drydock Fitting-out Berth in Courtenay Bay.—The contract that was awarded in October, 1939, for dredging the entrance channel to Courtenay Bay was extended in June, 1940, to include the drydock fitting-out berth to a depth of 32 feet below extreme low water, a width of 150 feet and a length of 850 feet. Rock was encountered above the 32 foot depth. The dredging of all material, except rock, to the required depth was completed in August.

Dredging Rock from Drydock Fitting-out Berth.—In order to clear the drydock fitting-out berth of rock obstructions encountered during dredging operations, a contract was awarded in September, 1940, for dredging solid rock and other materials from this area to a depth of 32 feet below extreme low water. Work under this contract was not completed at the end of the year.

Repairs to Courtenay Bay Breakwater.—In August, 1940, a contract was awarded for repairs to Courtenay Bay breakwater and the construction of a roadway. This work was completed in October.

As expenditures on these works were provided for from War Appropriation, they do not appear in the Board's financial statement.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$661,359, an increase of \$195,355 over the previous year. Operating and maintenance expenses were \$258,901, being \$21,019 greater than in 1939 when such expenditures amounted to \$237,882.

After taking into account income debits and credits, paying interest on debt to the public of \$70,333 and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$655,194 as against a deficit, in 1939, of \$826,685.

REDEMPTION OF DEBENTURES

Debenture indebtedness to the public, in the amount of \$48,156, was paid off during the year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Harbour General.....	\$ 31,125 74
Wharves and Piers.....	526,380 76
Permanent Sheds.....	31,117 20
Shed Hoists (Crane).....	2,411 00
Railway System.....	257 50
Grain Elevator System.....	54,107 38
Miscellaneous—Outsiders.....	15,959 28
	<u>\$ 661,358 86</u>

OPERATING EXPENSES—

Administration.....	34,215 88
Operation and Maintenance—	
Harbour Dredging.....	\$ 68,681 44
Harbour General.....	34,357 30
Vehicular Bridges.....	252 59
Roads, Fences and Boundaries.....	2,414 78
Sewers and Drains.....	901 83
Wharves and Piers.....	35,938 24
Permanent Sheds.....	53,913 38
Shed Hoists (Crane).....	356 53
Grain Elevator System.....	11,707 79
Miscellaneous—Outsiders.....	16,161 00
	<u>224,684 88</u>
	258,900 76
Operating Income.....	<u>402,458 10</u>

INCOME RECEIVED FROM RESERVE FUNDS.....	15,482 06
MISCELLANEOUS INCOME CREDITS.....	276 49
	<u>15,758 55</u>
Total Income.....	<u>418,216 65</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	15,482 06
Miscellaneous Income Charges.....	3,433 81
	<u>18,915 87</u>

Income Available for Interest due Public.....	399,300 78
INTEREST ON DEBT TO THE PUBLIC.....	70,332 81
	<u>328,967 97</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00
Interest due Dominion Government.....	784,161 79
	<u>984 161 79</u>

Net Income Deficit.....	<u>\$ 655,193 82</u>
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Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS

FIXED—	
Harbour Dredging.....	\$ 955,090 54
Real Estate.....	1,758,867 14
Vehicular Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,969 66
Wharves and Piers.....	13,999,992 06
Permanent Sheds.....	2,237,964 00
Shed Hoists and Electric Cranes.....	19,282 52
Railway System.....	192,660 57
Crane Elevator System.....	3,988,343 44
Office Furniture and Appliances.....	6,327 35
Harbour Buildings.....	29,409 57
Central Heating Plants.....	65,256 80
Floating Equipment.....	1,415 00
Shore Equipment.....	20,287 50
Miscellaneous Small Plant.....	6,753 10
Works under Construction.....	46,032 35
	<u>\$23,508,758 97</u>

CURRENT—	
Cash—Receiver General of Canada...	\$ 27,099 47
Cash—On Hand.....	200 00
Accounts Receivable.....	47,559 17
Less—Reserve for Bad Debts.....	79 76
Advances due on Capital Account.....	47,479 41
Stores on Hand.....	882 80
Accrued Revenue.....	16,065 16
	<u>41,558 81</u>
	133,285 65

SECURITY DEPOSITS.....	2,006 66
REPLACEMENT FUND.....	699,037 72
FIRE AND GENERAL INSURANCE FUND.....	51,317 56
DEFERRED DEBITS.....	19,833 15
	<u>\$24,414,239 71</u>

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$ 1,445,182 35
DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$16,523,802 92
Expenditure under Appropriations.....	5,815,569 09
Government Loans Applied for.....	19,038 27
	<u>22,358,410 28</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	542 68

CURRENT—	
Accounts Payable.....	9,785 35
Matured Interest Unpaid—	
Due Public.....	\$ 1,219 13
Due Dominion Government.....	5,687,550 38
Accrued Interest due Public.....	5,688,769 51
Unclaimed Wages.....	21,276 86
Matured Debentures due Public.....	3 75
	<u>500 00</u>
	5,720,335 47

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	2,006 66
RESERVES—	
Replacement.....	1,024,454 82
Fire and General Insurance.....	51,491 02
Harbour Dredging Maintenance.....	25,000 00
	<u>1,100,945 84</u>
DEFERRED CREDITS.....	8,301 93
	<u>30,635,725 21</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1939.....	5,565,850 80
Adjustments in 1940.....	400 88
Net Income Deficit for 1940.....	655,193 82
	<u>6,221,485 50</u>
	<u>\$24,414,239 71</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 130 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 30 feet draft, a concrete fireproof shed 400 feet by 60 feet, a frame shed 150 feet by 40 feet and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a cost of \$4,400. The principal item was repairs to the west end wooden wharf.

REVENUES AND EXPENDITURES

Operating revenues totalled \$34,139 and operating and maintenance expenses \$15,247. Revenue showed an increase of \$13,725 and expenses were higher by \$1,169, as compared with the previous year.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$198,519, compared with a deficit of \$210,850 in 1939.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—	
Harbour General.....	\$ 864 67
Wharves and Piers.....	29,570 63
Permanent Sheds.....	3,447 17
Railway System.....	39 00
Miscellaneous—Outsiders.....	217 60
	<hr/> \$ 34,139 07
OPERATING EXPENSES—	
Administration.....	6,287 31
Operation and Maintenance—	
Harbour General.....	\$ 1,727 28
Roads, Fences and Boundaries.....	142 50
Wharves and Piers.....	3,253 62
Permanent Sheds.....	1,601 20
Railway System.....	1,509 80
Miscellaneous—Outsiders.....	724 93
	<hr/> 8,959 33
Operating Income.....	<hr/> 15,246 64
	<hr/> 18,892 43
INCOME RECEIVED FROM RESERVE FUNDS.....	62 64
Total Income.....	<hr/> 18,955 07
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Income Received from Reserve Funds transferred to Reserves.....	62 64
Reserve for Bad Debts.....	9 57
	<hr/> 72 21
	<hr/> 18,882 86
OTHER INCOME REQUIREMENTS—	
Reserve for Replacements.....	30,000 00
Interest due Dominion Government.....	187,401 78
	<hr/> 217,401 78
Net Income Deficit.....	<hr/> <hr/> \$ 198,518 02

Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 467,172 01	Loans and Advances (Interest bearing).....	\$ 3,837,793 78
Real Estate.....	35,505 17	Expenditure under Appropriations.....	505,398 32
Roads, Fences and Boundaries.....	115,903 96		<u>\$ 4,343,192 10</u>
Sewers and Drains.....	165,653 09		
Wharves and Piers.....	3,309,202 84		
Permanent Sheds.....	123,937 31		
Railway System.....	38,599 51	CURRENT—	
Office Furniture and Appliances.....	4,345 50	Accounts Payable.....	3,017 14
Electric Power System.....	3,915 37	Matured Interest due Dominion Government	1,602,057 01
Water Supply System.....	16,831 30	Unclaimed Wages.....	22 30
Floating Equipment.....	28,860 62		<u>1,605,096 45</u>
Shore Equipment.....	649 38		
Miscellaneous Small Plant.....	1,540 96		
Engineering—General Surveys.....	18,375 66	RESERVES—	
	<u>\$ 4,350,554 47</u>	Replacement.....	150,000 00
CURRENT—		Fire and General Insurance.....	3,624 11
Cash—Receiver General of Canada..	\$ 38,715 41		<u>153,624 11</u>
Cash—On Hand.....	128 87		
Accounts Receivable.....	4,448 65	DEFERRED CREDITS.....	<u>2,027 63</u>
Less—Reserve for Bad Debts.....	9 30		<u>6,103,940 29</u>
Stores on Hand.....	<u>4,439 35</u>		
	1,030 75	SURPLUS AND DEFICIT ACCOUNT—	
	<u>44,312 38</u>	Deficit as at December 31, 1939.....	1,520,520 47
FIRE AND GENERAL INSURANCE FUND.....	<u>3,624 11</u>	Adjustments in 1940.....	8,795 17
PREPAID CHARGES.....	<u>614 77</u>	Net Income Deficit for 1940.....	198,518 92
	<u>\$ 4,379,105 73</u>		<u>1,724,834 56</u>
			<u>\$ 4,379,105 73</u>

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles Rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing 10 transit sheds with a total floor area of 743,642 square feet, 32 miles of standard gauge terminal railway, connected with both Canadian Railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also, a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 50 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$138,766. The larger items were the renewal of face brick of part of the north and east walls of the cold storage main warehouse and the entire east wall of the cold storage refrigeration plant; reconditioning 3 Gurney elevator scales; replacing metal siding on part of the grain shipping galleries; major repairs to three sheds, including roof repairs, replacement of metal siding and painting; repairs to a gate at the entrance to Inner Basin, Princess Louise docks; repairs to floating crane, deck scow and derrick scow and dredging of the Custom Pond.

CAPITAL WORKS

During 1940 expenditures on capital works amounted to \$7,586. The work consisted of:—

Railway Platform South of Shed 28.—The reconditioning of a length of 580 feet of the railway platform south of shed 28 was carried out by the Board's forces. This work comprised the aligning of columns, repairs to roof, painting steelwork and construction of a new wooden platform. The western section of the platform, 620 feet in length, was demolished and the ground levelled.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$684,988 as compared with \$469,424 in the previous year, an increase of \$215,564. Operating and maintenance expenses were \$504,078, as compared with \$492,203 in 1939, an increase of \$11,875.

After taking into account miscellaneous income credits and debits and payment of interest on debt to the public, there was a surplus of \$165,261, as compared with a deficit of \$47,413 in 1939. The net income deficit, after charging reserve for replacements and interest due the Dominion Government, was \$1,248,752 as against \$1,444,548 in the previous year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Harbour General.....	\$ 25,468 89	
Wharves and Piers.....	169,638 98	
Permanent Sheds.....	50,028 90	
Shed Hoists.....	154 00	
Railway System.....	67,421 78	
Grain Elevator System.....	272,849 43	
Cold Storage System.....	62,529 86	
Miscellaneous—Outsiders.....	36,896 46	
	<hr/>	\$ 684,988 30

OPERATING EXPENSES—

Administration.....	63,647 65	
Operation and Maintenance—		
Harbour Dredging.....	\$ 3,352 10	
Harbour General.....	57,556 24	
Vehicular Bridges.....	3,620 49	
Roads, Fences and Boundaries.....	9,500 70	
Sewers and Drains.....	1,819 13	
Wharves and Piers.....	34,408 39	
Permanent Sheds.....	27,314 48	
Sheds Hoists.....	117 33	
Railway System.....	79,690 64	
Grain Elevator System.....	112,710 35	
Cold Storage System.....	74,064 87	
Miscellaneous—Outsiders.....	24,211 48	
Departmental Services.....	12,064 40	
	<hr/>	440,430 60
		<hr/>
Operating Income.....		504,078 25
		<hr/>
		180,910 05

INCOME RECEIVED FROM RESERVE FUNDS..... 1,368 18

MISCELLANEOUS INCOME CREDITS..... 24,123 22

25,491 40

206,401 45

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves..... 1,368 18

Reserve for Bad Debts..... 11,051 60

Miscellaneous Income Charges..... 12,720 98

25,140 76

Income Available for Interest due Public..... 181,260 69

INTEREST ON DEBT TO THE PUBLIC..... 16,000 00

165,260 69

OTHER INCOME REQUIREMENTS—

Reserve for Replacements..... 200,000 00

Interest due Dominion Government..... 1,214,012 84

1,414,012 84

Net Income Deficit..... \$ 1,248,752, 15

Harbour of Quebec

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
FIXED—		DEBTURE INDEBTEDNESS TO PUBLIC.....\$ 400,000 00	
Harbour Dredging.....	\$ 3,940,865 55		
Real Estate.....	290,582 99		
Vehicular Bridges.....	172,284 96		
Roads, Fences and Boundaries.....	129,167 35		
Sewers and Drains.....	293,022 25		
Miscellaneous Structures.....	134,603 77		
Wharves and Piers.....	13,167 989 64		
Permanent Sheds.....	3,275,963 63		
Shed Hoists.....	12,000 00		
Railway System.....	869,149 09		
Grain Elevator System.....	3,750,633 00		
Cold Storage System.....	718,708 37		
Office Furniture and Appliances.....	16,327 24		
Harbour Buildings.....	196,735 26		
Central Heating Plants.....	11,300 46		
Harbour Shops.....	34,011 82		
Electric Power System.....	57,017 85		
Water Supply System.....	30,660 76		
Floating Equipment.....	94,418 50		
Shore Equipment.....	63,574 24		
Miscellaneous Small Plant.....	6,031 99		
Sundry Expenditures (Undistributed).....	1,621,433 70		
	<u>\$28,886,502 42</u>		
CURRENT—		DOMINION GOVERNMENT ACCOUNT—	
Cash—Receiver General of Canada..\$ 161,114 06		Loans and Advances (Interest bearing).....	\$27,365,317 36
Cash—On Hand.....125 00		Expenditure under Appropriations.....	2,571,273 44
		Government Loans Applied for—Contra.....	7,886 18
			<u>29,944,176 98</u>
		CURRENT—	
Accounts Receivable.....	58,121 61	Accounts Payable.....	8,769 46
Less—Reserve for Bad Debts.....	1,978 94	Salaries and Wages Payable.....	9,402 26
		Matured Interest Unpaid—	
Advances due on Capital Account.....		Due Public.....\$ 560 00	
Stores on Hand.....		Due Dominion Government 23,393,006 50	
Accrued Revenue.....			<u>23,393,566 50</u>
Other Assets.....	3,508 04	Accrued Interest due Public.....	1,333 34
		Unclaimed Wages.....	6 80
			<u>23,413,078 36</u>
		CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	
			<u>400 00</u>
CURRENT—		RESERVES—	
Cash—Receiver General of Canada..\$ 161,114 06		Replacement.....	1,000,000 00
Cash—On Hand.....125 00		Fire and General Insurance.....	42,888 27
			<u>1,042,888 27</u>
		DEFERRED CREDITS.....	
			<u>3,439 64</u>
		SURPLUS AND DEFICIT ACCOUNT—	
		Deficit as at December 31, 1939.....	24,330,653 97
		Adjustments in 1940.....	11,134 13
		Net Income Deficit for 1940.....	1,248,752 15
			<u>25,590,540 25</u>
		SECURITY DEPOSITS.....	
			<u>280,141 53</u>
		FIRE AND GENERAL INSURANCE FUND.....	
			<u>42,712 39</u>
		PREPAID CHARGES.....	
			<u>3,666 66</u>
		\$29,213,423 00	

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about 7½ months in the year. The facilities operated by the Board include 3 main wharves having some 7,400 linear feet of berthing with a minimum water depth of 30 feet alongside and 9 transit sheds with a total floor area of about 192,000 square feet.

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$28,547. The main items were the dredging of Bureau wharf to a minimum depth of 30 feet below low water and the dredging of all other berths to a minimum depth of 34 feet below low water; the reconditioning of St. Angele wharf; and repairs to the wharf leased to Dominion Coal Co.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$237,924 as compared with \$165,682 in 1939, the increase being \$72,242. Operating and maintenance expenses were \$44,905, as compared with \$18,147 in the previous year.

After payment of interest on debt due to the public and charging reserve for replacements and interest due the Dominion Government, there was a net income deficit of \$64,567, the corresponding deficit in the previous year being \$109,454.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—	
Harbour General.....	\$ 6,927 35
Wharves and Piers.....	178,644 37
Permanent Sheds.....	50,783 11
Miscellaneous—Outsiders.....	1,569 13
	<u>\$ 237,923 96</u>
OPERATING EXPENSES—	
Administration.....	11,995 64
Operation and Maintenance—	
Harbour Dredging.....	\$ 16,229 92
Harbour General.....	2,269 67
Roads, Fences and Boundaries.....	305 31
Wharves and Piers.....	9,827 28
Permanent Sheds.....	2,590 03
Railway System.....	1,413 93
Miscellaneous—Outsiders.....	273 58
	<u>32,909 72</u>
Operating Income.....	<u>44,905 36</u>
Income Received from Reserve Funds.....	12,893 29
Miscellaneous Income Credits.....	2 00
	<u>12,895 29</u>
Total Income.....	<u>205,913 89</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Income Received from Reserve Funds transferred to Reserves.....	12,893 29
Reserve for Bad Debts.....	200 00
Miscellaneous Income Charges.....	525 48
	<u>13,618 77</u>
Income Available for Interest due Public.....	<u>192,295 12</u>
INTEREST ON DEBT TO THE PUBLIC.....	8,712 00
	<u>183,583 12</u>
OTHER INCOME REQUIREMENTS—	
Reserve for Replacements.....	70,000 00
Interest due Dominion Government.....	178,150 38
	<u>248,150 38</u>
Net Income Deficit.....	<u>\$ 64,567, 26</u>

Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
FIXED—		DEBENTURE INDEBTEDNESS TO PUBLIC.....	
Real Estate.....	\$ 1,204,777 00		\$ 158,400 00
Roads, Fences and Boundaries.....	60,384 26	DOMINION GOVERNMENT ACCOUNT—	
Wharves and Piers.....	5,780,047 59	Loans and Advances (Interest bearing).....	\$ 3,822,035 11
Permanent Sheds.....	799,202 07	Expenditure under Appropriations.....	590,857 27
Railway System.....	26,611 43		4,412,892 38
Office Furniture and Appliances.....	2,081 45		
Electric Power System.....	11,512 44		
Water Supply System.....	10,894 44		
Miscellaneous Small Plant.....	3,273 87		
	<u>\$ 7,898,784 55</u>	CURRENT—	
		Accounts Payable.....	5,100 91
CURRENT—		Matured Interest Unpaid—	
Cash—Receiver General of Canada..\$ 51,089 31		Due Public.....	\$ 66 00
Cash—On Hand.....	400 47	Due Dominion Government	1,045,409 08
Cash in Bank—Coupon Account.....	66 00		1,045,475 08
	<u>51,555 78</u>	Accrued Interest due Public.....	4,332 58
Accounts Receivable.....	22,224 44		1,054,908 57
Less—Reserve for Bad Debts.....	800 00		
	<u>21,424 44</u>	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	3,046 95
Stores on Hand.....	341 52		
	<u>73,321 74</u>	RESERVES—	
		Replacement.....	377,711 49
		Fire and General Insurance.....	13,094 96
			390,806 45
SECURITY DEPOSITS.....	3,046 95	DEFERRED CREDITS.....	26,479 67
REPLACEMENT FUND.....	375,535 56		6,046,534 02
FIRE AND GENERAL INSURANCE FUND.....	13,052 49	SURPLUS AND DEFICIT ACCOUNT—	
PREPAID CHARGES.....	19 20	Surplus as at December 31, 1939.....	2,387,224 67
DEFERRED DEBITS.....	5,430 94	Deduct—	
	<u>\$ 8,369,191 43</u>	Net Income Deficit for 1940.....	64,567 26
			2,322,657 41
			<u>\$ 8,369,191 43</u>

HARBOUR OF MONTREAL

The harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast, and is reached by ocean shipping through a dredged channel having a minimum depth of $32\frac{1}{2}$ feet, now being completed to 35 feet. It is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The Harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 116 berths, totalling over 10 miles of berthing accommodation; 26 transit sheds with an aggregate floor area of over 2,040,000 square feet; also four grain elevators with a total storage capacity of over 15,000,000 bushels and $3\frac{1}{2}$ miles of grain conveyor galleries; and a cold storage warehouse with a capacity of 4,628,000 cubic feet. A 75-ton capacity floating crane and several locomotive track cranes are available.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During 1940 ordinary maintenance and repairs were carried out at a total cost of \$525,064, excluding maintenance on Jacques Cartier bridge on which \$27,503 was expended.

The larger items were filling depressions at Bickerdike pier; repairs to Marine Tower jetty at elevator No. 2; resurfacing portion of retaining wall at Market Basin, section 20; resurfacing of lower floors of sheds 3 and 7; interior painting of sheds 14 and 15; exterior painting of sheds 26, 27, 44, 45, 46 and 47; renewing decking on three railway bridges over Victor Street subway; and all electrical, mechanical and floating equipment was maintained in good operating condition.

CAPITAL WORKS

During the year total expenditures on capital and replacement works amounted to \$225,871, the following constituting the principal items:—

Dredging.—In order to make the wharf leased to Canada Cement Co. available for 30-foot navigation, and the wharf leased to Imperial Oil Ltd. usable by tankers with a load draft of 32 feet, and to complete the dredging of Windmill Point basin for a usable draft of 30 feet, dredging in these areas was carried out during the year.

Strengthening Wharf, Sections 23 and 24.—In 1939 a contract was awarded for strengthening wharf, sections 23 and 24. The major part of the work was completed during that year and the balance was finished in 1940.

Filling Area in Rear of Wharf, Sections 46 to 49.—In 1939 the construction of wharf at sections 46 to 49 was completed, and the filling of the area in the rear with material dredged from the harbour was done in part. During 1940 the filling was practically completed, about 15,000 cubic yards remaining to be placed in 1941.

Filling Area in Rear of Wharf, Sections 99 and 100.—Levelling of the fill placed during 1939 in the rear of wharf leased to McColl Frontenac Oil Co., sections 99 and 100, was completed in 1940.

Extension to Shed 27A.—In order to accommodate increased traffic, the construction of a 60-foot extension to shed 27A, which is a metal sheathed, single deck structure with steel frame, was carried out partly by contract and partly by the Board's forces.

Fifteen-ton Elevator in Shed 9.—A contract was awarded in January, 1940 for the construction of a 15-ton freight elevator in shed 9. This was completed in all essential details prior to the opening of navigation and was entirely completed in December.

Construction of Two Scows.—Two wooden flat scows, 100 feet long, 30 feet wide and 9 feet deep were constructed to replace similar scows no longer serviceable.

Timber Handling Equipment, Laurier Pier.—In order to facilitate loading of timber and steel billets from railway cars into ships at Laurier pier five steel masts were constructed, together with a system of floodlights, four lines of tracks on the pier and necessary distributing and storing tracks on the adjoining upstream marginal wharf.

Steel Wire Fences for Protection of Property.—Link wire fences were constructed in various sections of the harbour to prevent access to certain areas and buildings.

Floodlights on Wharves.—Floodlights were installed on the wharves at sections 35 and 40.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$5,117,818 and showed an increase of \$648,721 over the earnings of \$4,469,097 reported in 1939. Operating and maintenance expenses were \$2,116,681, as compared with \$1,987,928 in the previous year, the increase being \$128,753.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$428,167, as against \$918,187 in 1939.

The foregoing figures are exclusive of the operations of Jacques Cartier bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—

Harbour General.....	\$ 47,336 85	
Wharves and Piers.....	2,442,185 14	
Permanent Sheds.....	261,643 52	
Shed Hoists.....	27,212 00	
Railway System.....	510,475 56	
Grain Elevator System.....	1,363,167 74	
Cold Storage System.....	165,837 02	
Miscellaneous—Outsiders.....	299,960 47	
	<u>\$ 5,117,818 30</u>	

OPERATING EXPENSES—

Administration.....	254,389 03	
Operation and Maintenance—		
Harbour Dredging.....	\$ 65,000 79	
Harbour General.....	194,427 26	
Roads, Fences and Boundaries.....	37,293 95	
Sewers and Drains.....	3,454 58	
Wharves and Piers.....	79,242 94	
Permanent Sheds.....	72,392 67	
Shed Hoists.....	16,184 30	
Railway System.....	422,265 44	
Grain Elevator System.....	575,461 95	
Cold Storage System.....	176,404 99	
Miscellaneous—Outsiders.....	220,163 53	
	<u>1,862,292 40</u>	
		<u>2,116,681 43</u>
Operating Income.....		3,001,136 87

INCOME RECEIVED FROM RESERVE FUNDS..... 123,632 69

MISCELLANEOUS INCOME CREDITS..... 14,497 10
138,129 79

Total Income..... 3,139,266 66

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	123,632 69	
Reserve for Bad Debts.....	1,769 31	
Miscellaneous Income Charges.....	1,410 58	
	<u>126,812 58</u>	
		<u>3,012,454 08</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	800,596 78	
Interest due Dominion Government.....	2,640,024 36	
	<u>3,440,621 14</u>	
Net Income <i>Deficit</i>	<u>\$ 428,167 06</u>	

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 5,564,416 49	Loans and Advances (Interest bearing).....	\$61,561,334 27
Real Estate.....	2,207,455 64	Expenditure under Appropriations.....	4,371,228 51
Roads, Fences and Boundaries.....	780,882 46	Government Loans Applied for—Contra.....	59,419 21
Sewers and Drains.....	144,313 52		\$65,991,981 99
Miscellaneous Structures.....	406,598 94		
Wharves and Piers.....	24,279,206 57		
Permanent Sheds.....	6,716,697 56		
Shed Hoists.....	235,091 33		
Railway System.....	4,465,296 31	ACCOUNTS PAYABLE—CONSTRUCTION.....	68,092 55
Grain Elevator System.....	15,938,840 99		
Cold Storage System.....	3,011,944 98		
Office Furniture and Appliances.....	29,610 39		
Harbour Buildings.....	301,693 79		
Central Heating Plants.....	14,579 46		
Harbour Shops.....	283,796 44	CURRENT—	
Electric Power System.....	1,217,876 92	Accounts Payable.....	55,846 34
Water Supply System.....	163,519 21	Matured Interest Unpaid—	
Floating Equipment.....	781,261 64	Due Dominion Government.....	7,581,326 42
Shore Equipment.....	199,909 49	Unclaimed Wages.....	296 82
Works under Construction.....	294,206 17		7,637,469 58
	\$67,037,198 30	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	46,061 12
CURRENT—		RESERVES—	
Cash—Receiver General of Canada..\$ 478,958 36		Replacement.....	3,408,625 84
Cash—On Hand.....	1,170 00	Fire and General Insurance.....	270,617 57
	480,128 36		3,679,243 41
Accounts Receivable.....	837,788 51		
Less—Reserve for Bad Debts.....	2,413 56	DEFERRED CREDITS.....	72,771 50
	835,374 95		77,495,620 15
Advances due on Capital Account.....	59,419 21		
Stores on Hand.....	214,256 48	SURPLUS AND DEFICIT ACCOUNT—	
Accrued Revenue.....	70,046 00	Deficit as at December 31, 1939.....	3,954,930 98
Other Assets.....	43,573 93	Net Income Deficit for 1940.....	428,167 06
	1,702,798 93		
		Deduct—	
SECURITY DEPOSITS.....	46,061 12	Adjustments in 1940.....	29,229 48
REPLACEMENT FUND.....	3,410,681 10		4,383,098 04
FIRE AND GENERAL INSURANCE FUND.....	269,923 12		
PREPAID CHARGES.....	10,388 14		
DEFERRED DEBITS.....	664,700 88		4,353,868 56
	\$73,141,751 59		\$73,141,751 59

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge at the harbour of Montreal during the calendar year 1940, with comparisons for 1939:—

Classification	1940 Revenue Passages	1939 Revenue Passages
Passengers in vehicles.....	5,022,211	5,313,814
Automobiles (passenger).....	1,703,285	1,607,590
Trucks.....	349,212	326,220
Buses.....	38,349	30,785
All others.....	16,325	19,175
Total.....	7,129,382	7,297,584

REVENUES AND EXPENDITURES

Operating revenues amounted to \$474,270 and showed an increase of \$11,146 over the receipts in 1939, thus continuing the upward trend noted in each of the past five years. Operating and maintenance expenses were \$103,167, as compared with \$91,266 in 1939, the increase being due to larger expenditures for repairs.

After making provision for interest on bonds, reserves for depreciation and replacements, and other charges against income, there was a net income deficit of \$1,110,219, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and City of Montreal. The corresponding net income deficit in 1939 was \$1,038,514.

The deficit in 1940 was greater than in the previous year because of increases in the amounts charged for premium on U.S. funds and for interest on advances from the Dominion Government. In 1939 the premium on U.S. payments applied to bond interest for six months and in 1940 to interest for the whole year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Bridge Tolls Collected.....	\$ 473,348 01	
Sundry Receipts.....	922 15	
	<u> </u>	\$ 474,270 16

OPERATING EXPENSES—

Administration.....	21,578 34	
Operation.....	52,101 76	
Maintenance.....	29,487 27	
	<u> </u>	103,167 37
Operating Income.....		371,102 79

INCOME RECEIVED FROM RESERVE FUNDS..... 9,935 74

MISCELLANEOUS INCOME CREDITS.....	426 48	
	<u> </u>	10,362 22
Total Income.....		381,465 01

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	9,935 74	
Trustees' Fees, Commissions, etc.....	108,134 46	
Bond Discount.....	8,846 16	
	<u> </u>	126,916 36
Income Available for Interest due Public.....		254,548 65

INTEREST ON DEBT TO THE PUBLIC.....	950,000 00	
	<u> </u>	695,451 35

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	42,600 00	
Reserve for Depreciation.....	166,140 00	
Interest due Dominion Government.....	206,027 39	
	<u> </u>	414,767 39
		1,110,218 74

Deduct—

Proportion of Deficit Payable by:

Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
	<u> </u>	300,000 00

Net Income *Deficit*.....\$ 810,218 74

Jacques Cartier Bridge—Montreal

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
FIXED—		DERENTURE INDEBTEDNESS TO PUBLIC—	
Bridge Structure, Right-of-Way, etc.....	\$18,650,448 21	Forty-year 5% First Mortgage Guaranteed Gold Bonds, Maturing 1st November, 1969.....	\$19,000,000 00
CURRENT—		DOMINION GOVERNMENT ACCOUNT—	
Cash—Receiver General of Canada..\$	40,562 26	Advances to meet Interest on Bonds.....	4,473,356 00
Cash—On Hand.....	1,827 17	CURRENT—	
Cash in Bank—Coupon Account.....	15,347 62	Accounts Payable.....	\$ 13,009 15
Accounts Receivable.....	3,672 95	Matured Interest due Dominion Government	1,177,469 63
Province of Quebec—		Matured Interest due Public—Contra.....	15,347 62
On Account of Deficit.....	150,000 00	Accrued Interest due Public.....	158,333 34
City of Montreal—		Contractors' Holdbacks—Maintenance.....	770 61
On Account of Deficit.....	150,000 00	RESERVES—	
Stores on Hand.....	303,672 95	Replacement—General.....	105,652 97
	1,114 80	Replacement—Painting.....	150,477 94
		Depreciation.....	1,495,252 00
		DEFERRED CREDITS.....	
			138 35
REPLACEMENT FUND.....	362,524 80		26,680,707 61
	345,312 72	SURPLUS AND DEFICIT ACCOUNT—	
MISCELLANEOUS FUNDS.....	3,518 85	Deficit as at December 31, 1939.....	6,254,342 29
		Net Income Deficit for 1940.....	810,218 74
BOND DISCOUNT SUSPENSE ACCOUNT.....	255,064 98		7,064,561 03
		Deduct—	
PREPAID CHARGES.....	610 04	Adjustments in 1940.....	1,333 02
			7,063,228 01
	\$19,617,479 60		\$19,617,479 60

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with 5,500,000 bushel-storage capacity with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

MAINTENANCE

During 1940, ordinary maintenance and repairs were carried out at a total cost of \$18,152. The major items were repairs to shovel gear, marine towers, electrical equipment, lofters, conveyors, elevator roof and railway trackage.

REVENUES AND EXPENDITURES

Revenues from operation amounted to \$284,272, as compared with \$242,742 in 1939, the increase being \$41,530. Operating and maintenance expenditures were \$93,385, as against \$74,778 in the previous year, an increase of \$18,607.

Net income surplus showed an improvement of \$21,049 over the previous year, the comparable figures being \$188,714 in 1940 and \$167,665 in 1939, no charge for interest or depreciation having been made in either year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Harbour General.....	\$ 221 29	
Wharves and Piers.....	6,689 95	
Grain Elevator System.....	277,360 54	
		\$ 284,271 78

OPERATING EXPENSES—

Administration.....	13,489 07	
Operation and Maintenance.....	79,895 83	
		93,384 90
Operating Income.....		190,886 88

MISCELLANEOUS INCOME CREDITS.....	1,158 41	
Total Income.....		192,045 29

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Reserve for Bad Debts.....	63 05	
Miscellaneous Income Charges.....	3,268 31	
		3,331 36
Net Income Surplus.....		\$ 188 713 93

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
Fixed—		DOMINION GOVERNMENT ACCOUNT—	
Wharves and Piers.....	\$ 961,260 11	Expenditure under Appropriations.....	\$ 4,903,824 76
Railway System.....	373,248 47		
Grain Elevator System.....	3,570,090 18		
Office Furniture and Appliances.....	4,120 96		
Miscellaneous Small Plant.....	2,892 46		
	<u>\$ 4,911,612 18</u>		
CURRENT—		CURRENT—	
Cash—Receiver General of Canada..\$	19,286 06	Accounts Payable.....	\$ 1,025 60
Cash—On Hand.....	1,964 56	Salaries and Wages Payable.....	361 56
Accounts Receivable.....	129,507 90		<u>1,387 16</u>
Less—Reserve for Bad Debts.....	63 05		
Stores on Hand.....	129,444 85	DEFERRED CREDITS.....	92 32
Accrued Revenue.....	7,453 65		<u>4,905,304 24</u>
Other Assets.....	1,776 03		
	1,951 38	SURPLUS AND DEFICIT ACCOUNT—	
	<u>161,876 53</u>	Surplus as at December 31, 1939.....	199,318 81
		Net Income Surplus for 1940.....	188,713 93
			<u>388,032 74</u>
PREPAID CHARGES.....	2,156 37	Deduct—	
		Payment to Dominion Government on	
DEFERRED DEBITS.....	26 69	Account of Surplus Earnings.....	217,665 21
	<u>\$ 5,075,671 77</u>		<u>170,367 53</u>
			<u>\$ 5,075,671 77</u>

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$23,827. The major items were overhauling automatic scales, conveyor and motors; further installations of dust and vapour proof globes on electric lights; completion of replacement of waling strakes on wharf of unloading berth; and repairs to marine legs, lofters and electrical system.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$212,649 showing a decrease of \$43,010 from the earnings of \$255,659 reported in 1939. Operating and maintenance expenses were \$91,660, as compared with \$119,207 in 1939, a decrease of \$27,547.

Net income surplus for 1940 was \$121,218, as against \$138,893 in the previous year, a decrease of \$17,675. No charge is made in the accounts of this facility for interest or depreciation on physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Grain Elevator System.....	\$ 212,648 88
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OPERATING EXPENSES—

Administration.....	\$ 15,236 19	
Operation and Maintenance.....	76,424 14	91,660 33
Operating Income.....		120,988 55

MISCELLANEOUS INCOME CREDITS.....	1,650 18
-----------------------------------	----------

Total Income.....	122,638 73
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MISCELLANEOUS DEDUCTIONS FROM INCOME—

Miscellaneous Income Charges.....	1,420 38
-----------------------------------	----------

Net Income Surplus.....	<u>\$ 121,218 35</u>
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Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS

FIXED—		LIABILITIES	
Real Estate.....\$		DOMINION GOVERNMENT ACCOUNT—	
Wharves and Piers.....		Expenditure under Appropriations.....\$	
Railway System.....			2,356,217 60
Grain Elevator System.....			
Office Furniture and Appliances.....		CURRENT—	
Miscellaneous Small Plant.....		Accounts Payable.....	1,067 61
	\$ 2,332,699 09		<u>2,357,235 21</u>

CURRENT—

Cash—Receiver General of Canada..\$		SURPLUS AND DEFICIT ACCOUNT—	
Cash—On Hand.....		Surplus as at December 31, 1939..\$	
Accounts Receivable.....		Net Income Surplus for 1940.....	
Stores on Hand.....			250,437 06
Other Assets.....		Deduct—	
	117,865 57	Adjustments in 1940.....	0 18
		Payment to Dominion Gov- ernment on Account of Surplus Earnings.....	107,181 30
			<u>107,181 48</u>
			143,305 58
			<u>\$ 2,500,590 79</u>

PREPAID CHARGES.....

26 13	
<u>\$ 2,500,590 79</u>	

HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, two locomotive cranes of 15 and 20 tons capacity, a floating crane of 20 tons capacity, a gantry crane of 35 tons capacity, cattle pens capable of holding 400 head of cattle and a marine slipway capable of handling boats up to 1,200 tons weight.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$16,479. The larger items were repairs to roofs of storage annex, power house and machine shop; replacement of motor in tug "Volunteer" and boiler in pumping station; and repairs to conveyor gallery, car dumpers and screw conveyors.

CAPITAL WORKS

During 1940 expenditures on capital works amounted to \$815, as follows:—

Purchase and Renovation of a Small Building.—A small building was purchased and renovated for use as living quarters for the winter staff.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$70,518, showing a decrease of \$37,746 from the receipts of \$108,264 in 1939. Expenditures on account of operation and maintenance showed a reduction of \$44,487 from those of the previous year, the comparable figures being \$110,185 for 1940 and \$154,672 for 1939.

After taking into account miscellaneous income charges, the net deficit was \$40,244, as compared with a deficit of \$46,822 in 1939, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Harbour General.....	\$ 466 50	
Wharves and Piers.....	378 30	
Permanent Sheds.....	329 58	
Grain Elevator System.....	65,552 72	
Miscellaneous—Outsiders.....	3,791 12	
	<u> </u>	\$ 70,518 22

OPERATING EXPENSES—

Administration.....	21,667 41	
Operation and Maintenance—		
Harbour Dredging.....	\$ 5,612 69	
Harbour General.....	18,450 13	
Roads, Fences and Boundaries.....	1,095 74	
Wharves and Piers.....	2,039 72	
Permanent Sheds.....	1,213 72	
Railway System.....	2,100 52	
Grain Elevator System.....	55,045 20	
Miscellaneous—Outsiders.....	2,959 61	
	<u> </u>	88,517 33
		<u>110,184 74</u>
Operating Deficit.....		39,666 52

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Miscellaneous Income Charges.....	247 10	
	<u> </u>	39,913 62

OTHER INCOME REQUIREMENTS—

Interest due Dominion Government.....	330 62	
Net Income Deficit.....	<u>\$ 40,244 24</u>	

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard Inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year around has a minimum depth of 35 feet. The Board operates three piers and two jetties having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,200,000 bushels, a combined loading capacity of about 200,000 bushels per hour and $1\frac{1}{2}$ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 Imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$65,235, excluding maintenance of Second Narrows bridge on which \$10,729 was expended. The larger items were the replacement of the south end of the float at the fish dock; renewal of roofing, downspouts and gutters at shed No. 1, Lapointe pier; renewal of sheathing of No. 1 elevator grain galleries; repairs to railway trackage; renewal of door guides and flashings, Ballantyne pier sheds; repairs to Dunlevy Avenue wharf; widening the north approach roadway to Second Narrows bridge and construction new toll booths and repairs to the No. 1 elevator electrical system.

CAPITAL WORKS

The expenditure charged in 1940 to capital amounted to \$102,462 and related to repairs, alterations, additions to and acquisition of Columbia Elevator. The elevator was acquired and the work practically all completed in 1939.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,480,904, as compared with \$1,578,036 in 1939, showing a decrease of \$97,132. Operating and maintenance expenses were \$568,853, the comparable figure in 1939 having been \$590,743, a decrease of \$21,890.

After taking into account income credits and debits and making provision for reserve for replacements and interest due the Dominion Government, there was a net income deficit of \$523,164, as compared with \$442,197 in 1939.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—

Harbour General.....	\$ 806,003 25	
Wharves and Piers.....	176,123 99	
Permanent Sheds.....	119,911 43	
Railway System.....	126,548 14	
Grain Elevator System.....	215,418 95	
Cold Storage System.....	32,124 45	
Miscellaneous—Outsiders.....	4,774 16	
		<u>\$ 1,480 904 37</u>

OPERATING EXPENSES—

Administration.....	98,694 16	
Operation and Maintenance—		
Harbour General.....	\$ 188,339 06	
Roads, Fences and Boundaries.....	1,157 58	
Wharves and Piers.....	65,688 21	
Permanent Sheds.....	70,936 57	
Shed Hoists.....	468 76	
Railway System.....	115,847 52	
Grain Elevator System.....	420 45	
Cold Storage System.....	22,526 36	
Miscellaneous—Outsiders.....	4,774 16	
		<u>470,158 67</u>
		568,852 83
Operating Income.....		<u>912,051 54</u>

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 106,954 44

MISCELLANEOUS INCOME CREDITS..... 46,833 86

153,788 30

Total Income..... 1,065 839 84

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	106,954 44	
Miscellaneous Income Charges.....	305 05	
		<u>107,259 49</u>
		958,580 35

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	250,000 00	
Interest due Dominion Government.....	1,231,743 98	
		<u>1,481,743 98</u>
Net Income Deficit.....	\$ 523,163 63	

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1940

HARBOUR OF VANCOUVER

43

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 6,642,520 96	Loans and Advances (Interest bearing).....	\$25,134,903 56
Vehicle Bridges.....	98,181 20	Government Loans Applied for—Contra.....	106 08
Roads, Fences and Boundaries.....	284,491 77		<u>\$25,135,009 64</u>
Miscellaneous Structures.....	10,607 21		
Wharves and Piers.....	7,884,070 55	ACCOUNTS PAYABLE—CONSTRUCTION.....	3,047 07
Permanent Sheds.....	1,437,356 96		
Railway System.....	1,337,781 05	CURRENT—	
Grain Elevator System.....	6,508,083 66	Accounts Payable.....	85,436 39
Cold Storage System.....	68,697 88	Salaries and Wages Payable.....	4,077 48
Office Furniture and Appliances.....	33,941 50	Matured Interest Unpaid Due Dominion Gov- ernment.....	2,981,811 26
Harbour Buildings.....	63,221 32	Unclaimed Wages.....	373 62
Floating Equipment.....	108,451 93		<u>3,071,698 75</u>
Shore Equipment.....	248,981 66	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	10,705 00
Miscellaneous Small Plant.....	41,400 08		
Engineering—General Surveys.....	3,084 59	RESERVES—	
	<u>\$24,830,872 32</u>	Replacement.....	3,088,399 77
CURRENT—		Fire and General Insurance.....	33,543 11
Cash—Receiver General of Canada.. \$ 228,469 02		Miscellaneous.....	9,030 73
Cash—On Hand.....	3,211 73		<u>3,130,993 61</u>
Less—Reserve for Bad Debts.....	169,157 29	DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	97,348 06
Accounts Receivable.....	14,498 61		<u>31,448,802 13</u>
Advances Due on Capital Account.....	154,658 68	SURPLUS AND DEFICIT ACCOUNT—	
Stores on Hand.....	30,421 24	Deficit as at December 31, 1939.....	1,566,986 17
Accrued Revenue.....	6,748 93	Net Income Deficit for 1940.....	523,163 63
	<u>423,615 68</u>		<u>2,090,149 80</u>
SECOND NARROWS BRIDGE—EQUITY.			<u>\$29,358,652 33</u>
INVESTMENTS.....	911,055 14		
SECURITY DEPOSITS.....	44,693 00		
REPLACEMENT FUND.....	10,705 00		
FIRE AND GENERAL INSURANCE FUND.....	3,086,859 40		
MISCELLANEOUS FUNDS.....	33,378 45		
PREPAID CHARGES.....	7,107 27		
DEFERRED DEBITS.....	3,851 31		
	<u>6,514 76</u>		
	<u>\$29,358,652 33</u>		

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge at the harbour of Vancouver during the calendar year 1940, with comparisons for 1939:—

Classification	1940 Revenue Passages	1939 Revenue Passages
Passengers in vehicles, and Pedestrians.....	1,571,165	1,393,266
Automobiles (passenger).....	569,168	458,208
Trucks (including buses).....	103,203	116,123
All others.....	1,940	1,564
Total.....	2,245,476	1,969,161

REVENUES AND EXPENDITURES

Operating revenues amounted to \$117,569, being \$7,344 in excess of the earnings of \$110,225 reported in 1939. Operating and maintenance expenses were \$52,480, as compared with \$57,074 in 1939, showing a decrease of \$4,594.

After charging interest on debt to Vancouver harbour, and reserve for replacements, the bridge showed a surplus of \$13,434, as compared with \$1,312 in 1939.

Under the agreement relating to the purchase and reconstruction of the bridge, net revenue is applied to payment of equal annual instalments of principal and interest calculated to repay the cost of reconstruction in 20 years. This annual instalment amounts to \$81,078. The balance of unpaid matured instalments at the end of 1940 was \$108,496.

INCOME STATEMENT FOR THE CALENDAR YEAR 1940

OPERATING REVENUES—	
Bridge Tolls.....	\$ 116,067 01
Sundry Receipts.....	1,502 46
	<u>\$ 117,569 47</u>
OPERATING EXPENSES—	
Administration.....	2,400 00
Operation.....	39,350 70
Maintenance.....	10,728 99
	<u>52,479 69</u>
Operating Income.....	65,089 78
INCOME RECEIVED FROM RESERVE FUNDS.....	1,605 47
MISCELLANEOUS INCOME CREDITS.....	4 51
	<u>1,609 98</u>
Total Income.....	66,699 76
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Income received from Reserve Funds transferred to Reserve.....	1,605 47
	<u>65 094 29</u>
INTEREST ON DEBT TO VANCOUVER HARBOUR.....	45,745 02
	<u>19,349 27</u>
OTHER INCOME REQUIREMENTS—	
Reserve for Replacements.....	5,915 17
Operating Surplus (Before providing for instalments of principal).....	<u>\$ 13,434 10</u>

Second Narrows Bridge—Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
FIXED—		CAPITAL—	
Capital Cost Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured Balance.....	\$ 802,559 40
Office Furniture and Appliances.....	507 47	CURRENT—	
		Accounts Payable.....	\$ 112 90
		Ticket Liability.....	4,648 97
		Vancouver Harbour—Matured Instalment Un- paid.....	108,495 74
CURRENT—			
Cash—On Hand.....	\$ 937 25	RESERVES—	
Accounts Receivable.....	359 68	Replacement.....	113,257 61
			41,506 51
		DEFERRED CREDITS.....	43 33
	1,296 93		957,366 85
REPLACEMENT FUND.....	41,292 38	SURPLUS ACCOUNT (Representing Net Operating Revenues from 1934 to 1940 Applicable to Amortization of Cost of Recon- struction)—	
		Balance as at December 31, 1939.....	95,507 42
		<i>Add—</i>	
PREPAID CHARGES.....	3,308 81	1939 Operating Surplus Applied to Repayment of Principal.....	1,312 45
			96,819 87
DEFERRED DEBITS.....	10,807 43	Part 1940 Operating Surplus Applied to Re- payment of Principal.....	2,532 79
		Balance 1940 Operating Surplus (not yet applied to Repayment of Principal).....	99,352 66
			10,901 31
			110,253 97
			<u>\$ 1,067,620 82</u>

This Balance Sheet is drawn up so as to reflect the terms of an agreement, dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statements of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board, and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1940

REVENUE—

Assessments.....	\$ 125,067 33
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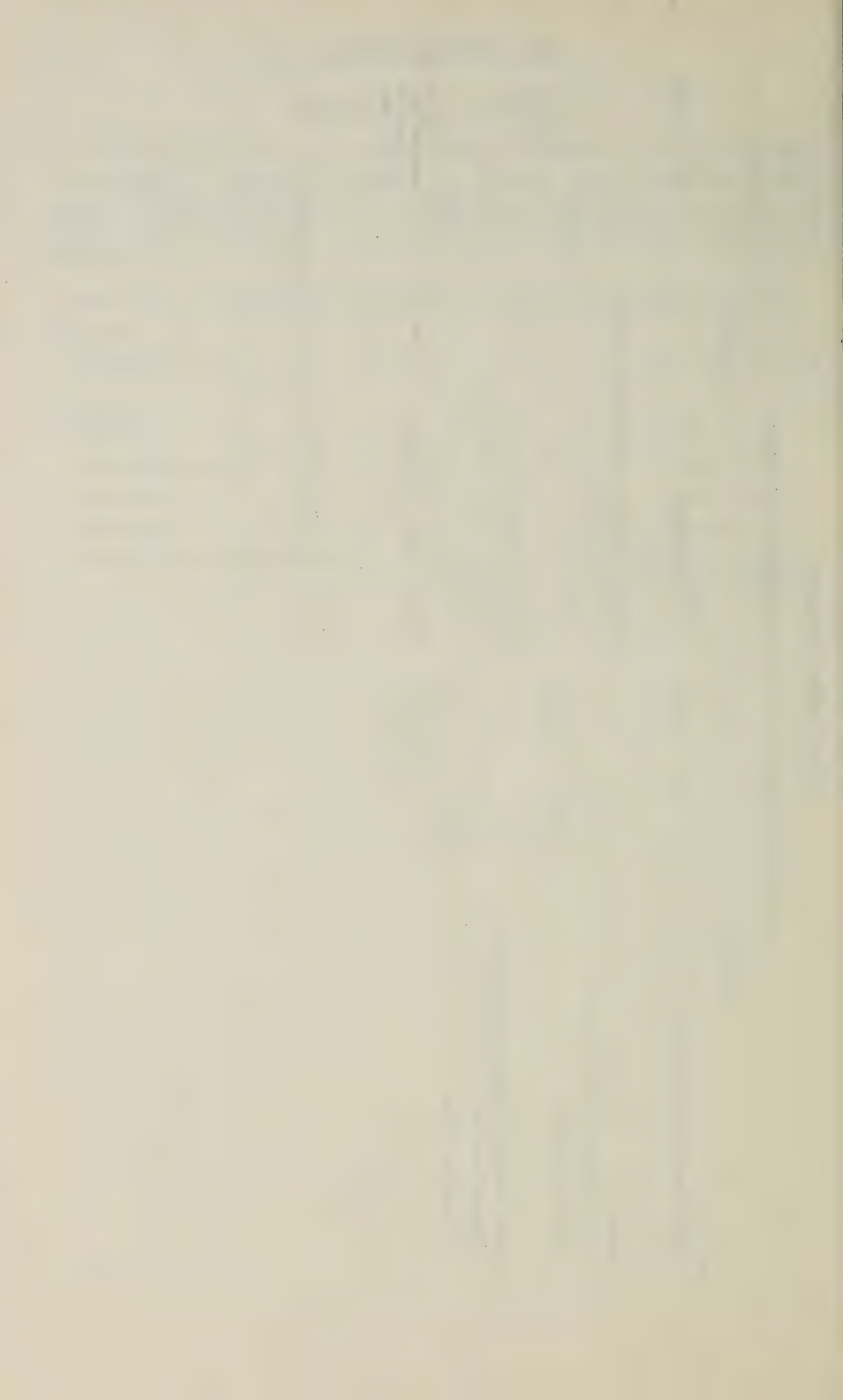
EXPENDITURE—

Salaries.....	\$ 97,819 66
Travelling Expenses.....	3,092 85
Advertising.....	2,414 50
Office Expenses.....	7,382 13
Treasury Office—Salaries and Expenses.....	14,358 19
	<hr/>
	\$ 125,067 33

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1940

ASSETS		LIABILITIES	
FIXED—		CURRENT—	
Office Furniture and Appliances.....	\$ 3,747 67	Accounts Payable.....	\$ 2,067 36
CURRENT—		GENERAL WORKMEN'S COMPENSATION ACCOUNTS—	
Cash—Receiver General of Canada.....	\$ 1,957 36	Accounts Payable.....	\$ 551 78
Accounts Receivable.....	110 00	Reserve.....	133,575 67
	<u>2,067 36</u>		<u>134,127 45</u>
GENERAL WORKMEN'S COMPENSATION ACCOUNTS—			<u>136,194 81</u>
Cash and Securities.....	129,410 50	SURPLUS AND DEFICIT ACCOUNT—	
Accounts Receivable.....	4,716 95	Surplus as at December 31, 1939.....	3,982 99
	<u>134,127 45</u>	Deduct—	
		Adjustments in 1940.....	235 32
			<u>3,747 67</u>
			<u>\$ 139,942 48</u>
			<u><u>\$ 139,942 48</u></u>



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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

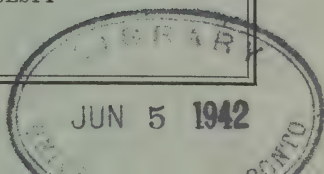
For Calendar Year

1941



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1942

Price, 25 cents



ANNUAL REPORT

OF THE

NATIONAL HARBOURS
BOARD

For Calendar Year

1941



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1942

NATIONAL HARBOURS BOARD

R.K. Smith, K.C.....	Chairman.
Colonel A. E. Dubuc.....	Vice-Chairman.
B. J. Roberts.....	Member.

F. W. Riddell.....	Executive Secretary.
C. P. Buckley.....	Assistant Secretary.

Halifax.....	R. W. Hendry.....	Port Manager.
Saint John.....	Alex. Gray.....	Port Manager and Chief Engineer.
Chicoutimi.....	L. A. Dussault.....	Port Manager.
Quebec.....	Louis Beaudry.....	Port Manager and Acting Chief Engineer.
Three Rivers.....	J. R. Larivière.....	Port Manager.
Montreal.....	Alex. Ferguson.....	Port Manager.
Prescott.....	G. T. Birch.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	K. J. Burns.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 31, 1942.

To the Honourable P. J. A. Cardin, K.C., M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the sixth annual report of the National Harbours Board, covering the operations for the calendar year 1941, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING AND CARGO TONNAGE

The aggregate volume of shipping at harbours administered by the Board showed a moderate increase during 1941, as compared with the previous year. Vessel arrivals numbered 47,445, which was 1,345 greater than the number of entries in 1940. The aggregate net registered tonnage was 38,658,683 in 1941, as compared with 36,658,366 in 1940.

The volume of water-borne cargo tonnage in 1941 was 29,902,518 tons (W. or M.). This figure compares with 29,722,815 tons in 1940, the increase being 179,703 tons. Vessel ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage are excluded for both years. There was a substantial increase in external traffic, but domestic water-borne tonnage fell off notably, owing to the diversion of inland water carriers from their normal operations. This applied particularly to the carriage of grain by water to ports on the St. Lawrence River.

Owing to war conditions, traffic statistics of individual harbours are again omitted from our report.

REVENUES AND EXPENDITURES

Operating revenues were again the highest on record, amounting to \$11,189,429 in 1941, as compared with \$10,602,199 in the previous year, an increase of \$587,230, or 5 per cent. Expenses of administration, operation and maintenance were \$4,919,289 and showed an advance of \$412,462, or 9 per cent, over the figure of \$4,506,827 reported for 1940. This was due, in part, to increased costs of materials and wages, including cost-of-living bonus paid to employees and, in part, to expansion in operations, particularly of such facilities as terminal railways, cold storage warehouses and floating equipment. Operating profit for the year was \$6,270,139, as compared with \$6,095,372 in 1940, an increase of \$174,767, or about 3 per cent.

After taking into account miscellaneous income debits and credits and providing for interest and reserve for replacements, the net income deficit for the year was \$3,514,880, as compared with \$3,737,149 in 1940, showing an improvement of \$222,269.

Following the practice adopted in previous reports, separate consolidated statements are given for the seven harbours administered by local commissioners prior to 1936 and for the grain elevators at Prescott and Port Colborne and the harbour of Churchill, which were entrusted to the Board for operation at the beginning of 1937.

The harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver had aggregate operating revenues in 1941 of \$10,739,388, as compared with \$10,034,760 in 1940, an increase of \$704,628, or 7 per cent. Expenses of administration, operation and maintenance increased from \$4,211,597 in 1940 to \$4,650,727 in 1941, or by \$439,130, or 10 per cent. Operating income was \$265,498 greater than in 1940.

After taking into account miscellaneous income charges and providing for interest and reserve for replacements, a net income deficit of \$3,694,848 was shown in 1941 as compared with \$4,006,837 in 1940, an improvement of \$311,989.

The following is a comparative income statement for the seven harbours referred to for each of the years 1937 to 1941, inclusive, and also for the year 1935:—

CONSOLIDATED INCOME STATEMENT

(EXCLUDING PRESCOTT, PORT COLBORNE AND CHURCHILL)

—	1941	1940	1939	1938	1937	1935
OPERATING REVENUES.....	\$10,739,388	\$10,034,760	\$8,486,475	\$8,742,456	\$8,262,221	\$7,427,455
OPERATING AND MAINTENANCE EXPENSES.....	4,650,727	4,211,597	3,910,164	4,063,709	4,268,675	4,975,756
Operating Income....	6,088,661	5,823,163	4,576,311	4,678,747	3,993,546	2,451,699
MISCELLANEOUS CREDITS (Net).....	51,750	105,528	65,891	3,161	81,470	6,198
Total Income.....	6,036,911	5,717,635	4,510,420	4,681,908	4,075,016	2,445,501
INTEREST DUE PUBLIC.....	1,042,815	1,045,045	1,046,974	1,095,916	1,203,082	1,325,300
OTHER INCOME REQUIREMENTS	4,994,096	4,672,590	3,463,446	3,585,992	2,871,934	1,120,201
Reserve for Replacements	1,962,227	1,965,252	1,958,640	1,923,348	1,909,186	788,359
Interest due Government.	7,026,717	7,014,175	6,938,835	6,813,177	6,690,736	6,376,300
	8,988,944	8,979,427	8,897,475	8,736,525	8,599,922	7,164,659
	3,994,848	4,306,837	5,434,029	5,150,533	5,727,988	6,044,458
Deduct—						
Special Contributions to Deficits (Bridge—Montreal).....	300,000	300,000	300,000	300,000	300,000	300,000
Net Income Deficit....	\$3,694,848	\$4,006,837	\$5,134,029	\$4,850,533	\$5,427,988	\$5,744,458

Comparing the figures for 1941 with those for 1935, the year in which the change in harbour administration took place, it will be seen that operating revenues show an increase of \$3,311,933 and operating expenses, notwithstanding the expansion in traffic, a decrease of \$325,029, the consequent improvement in operating income being \$3,636,962.

The improvement in operating results in each of the harbours is indicated in the following statement:—

STATEMENT OF OPERATING REVENUES, OPERATING EXPENSES and OPERATING INCOME FOR THE YEARS 1935, 1936, 1937, 1938, 1939, 1940 and 1941

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Halifax.....1935	500,936	504,851	3,915*
1936	510,179	433,040	77,139
1937	581,740	429,472	152,268
1938	599,856	420,765	179,091
1939	744,470	420,841	323,629
1940	1,225,787	547,285	678,502
1941	1,593,478	803,052	790,426
Change—1941 relative to 1935.....	+1,092,542	+298,201	+794,341
Saint John.....1935	322,954	272,860	50,094
1936	367,448	256,380	111,068
1937	435,952	240,302	195,650
1938	445,726	242,544	203,182
1939	466,004	237,882	228,122
1940	661,359	258,901	402,458
1941	776,066	264,971	511,095
Change—1941 relative to 1935.....	+453,112	—7,889	+461,001
Chicoutimi.....1935	13,328	20,401	7,073*
1936	21,307	18,639	2,668
1937	21,750	14,361	7,389
1938	21,254	13,374	7,880
1939	20,414	14,078	6,336
1940	34,139	15,247	18,892
1941	30,339	16,100	14,239
Change—1941 relative to 1935.....	+17,011	—4,301	+21,312
Quebec.....1935	466,474	781,758	315,284*
1936	482,542	673,838	191,295*
1937	447,780	572,334	124,554*
1938	488,013	537,316	49,303*
1939	469,424	492,203	22,779*
1940	684,988	504,078	180,910
1941	710,867	583,546	127,321
Change—1941 relative to 1935.....	+244,393	—198,212	+442,605
Three Rivers.....1935	93,076	47,837	45,239
1936	122,347	32,191	90,156
1937	172,309	18,023	154,286
1938	191,881	33,242	158,639
1939	165,682	18,147	147,535
1940	237,924	44,905	193,019
1941	243,911	38,930	204,981
Change—1941 relative to 1935.....	+150,835	—8,907	+159,742
Montreal.....1935	4,032,770	2,394,967	1,637,803
1936	4,238,836	2,209,179	2,029,657
1937	4,377,350	2,136,800	2,240,550
1938	4,917,837	2,095,656	2,822,181
1939	4,469,097	1,987,928	2,481,169
1940	5,117,818	2,116,681	3,001,137
1941	5,174,415	2,214,748	2,959,667
Change—1941 relative to 1935.....	+1,141,645	—180,219	+1,321,864
Jacques Cartier Bridge (Montreal).....1935	347,698	145,439	202,259
1936	354,867	91,861	263,006
1937	423,785	84,550	339,235
1938	445,945	91,785	354,160
1939	463,124	91,266	371,858
1940	474,270	103,167	371,103
1941	589,768	105,870	483,898
Change—1940 relative to 1935.....	+242,070	—39,569	+281,639

STATEMENT OF OPERATING REVENUES, OPERATING EXPENSES and OPERATING INCOME FOR THE YEARS 1935, 1936, 1937, 1938, 1939, 1940 and 1941—Concluded

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Vancouver.....	1935	1,537,044	736,554	800,490
	1936	1,792,980	718,997	1,073,983
	1937	1,636,648	708,830	927,818
	1938	1,453,905	566,397	887,508
	1939	1,578,036	590,743	987,293
	1940	1,480,904	568,853	912,051
	1941	1,476,586	568,309	908,277
Change—1941 relative to 1935.....		-60,458	-168,245	+107,787
Second Narrows Bridge (Vancouver).....	1935	113,168	71,083	42,085
	1936	140,089	60,586	79,502
	1937	164,899	62,611	102,288
	1938	178,039	62,630	115,409
	1939	110,225	57,074	53,151
	1940	117,569	52,480	65,089
	1941	143,955	55,201	88,754
Change—1941 relative to 1935.....		+30,787	-15,882	-46,669

*Deficit.

Turning now to the operations of the grain elevators at Prescott and Port Colborne and the harbour of Churchill, aggregate revenues in 1941 were \$450,041, showing a reduction of \$117,398 from the figure of \$567,439 reported for the previous year. Operating expenses totalled \$268,562, as compared with \$295,230 in 1940. After taking into account miscellaneous income charges, the surplus was \$179,969 in 1941, as against \$269,688 in the preceding year. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1941, showing also comparative figures for the preceding four years:—

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1941	1940	1939	1938	1937
Operating Revenues.....	\$ 450,041	\$ 567,439	\$ 606,665	\$ 402,480	\$ 190,133
Operating and Maintenance Expenses....	268,562	295,230	348,658	345,015	329,766
	181,479	272,209	258,007	57,465	139,633
Other Debits and Credits (Net).....	1,510	2,581	1,729	3,916	1,943
Net Income Surplus or Deficit.....	\$ 179,969	\$ 269,688	\$ 259,736	\$ 53,549	\$ 137,690

CAPITAL EXPENDITURES

Expenditures charged to capital account in 1941 amounted to \$1,549,664. An additional sum of \$10,086, charged to replacement reserve, was expended on replacement of physical assets, the total outlay being \$1,559,750, as follows:

<i>CAPITAL—</i>		
Halifax.....	\$	645,805
Saint John.....		559,765
Chicoutimi.....		120
Quebec.....		4,627
Montreal.....		334,039
Vancouver.....		5,308
	\$	1,549,664
<i>Replacement of Physical Assets—</i>		
Montreal.....	\$	9,027
Vancouver.....		1,059
		10,086
	\$	1,559,750

Of the expenditures charged to capital, \$240,833 was financed by advances from the Dominion Treasury on which interest at the rate of $3\frac{1}{2}$ per cent per annum is charged and \$1,308,831, being for expenditures attributable to the war, was a direct charge to allotments under the War Appropriation Act, 1941.

The book value of fixed assets as at December 31, 1941, was \$224,352,663.

Capital works are referred to in detail in the data submitted for each harbour

FINANCE

Debentures held by the public, which matured during the year, amounted to \$402,000, being obligations of the harbours of Saint John, \$2,000, and Quebec, \$400,000. An advance from the Dominion Treasury, on the same terms as for capital expenditures, was authorized to redeem this debt.

Other payments from the Dominion Treasury in respect of the year's operations were required to cover cash deficits resulting from the operation of Jacques Cartier Bridge, Montreal, \$342,000, and the harbour of Churchill, \$32,515.

The total sum required from the Dominion Treasury for the year amounted to \$2,326,179, composed of capital expenditures, \$1,549,664, retirement of debt, \$402,000, and deficits, \$374,515.

On the other hand, payments made by the Board to the Dominion Treasury in the course of the year totalled \$4,188,694, made up of interest on advances, \$3,250,000; earnings of Port Colborne elevator, \$71,218 and of Prescott elevator, \$138,714; and refund of advances for capital expenditures in previous years, \$728,762.

Reserve funds in the form of investments or cash balances on deposit with the Receiver General of Canada had a book value of \$11,601,386 as at December 31, 1941, the net increase during the year being \$2,150,231. These reserves have been set aside from earnings for the replacement of physical assets and for insurance and workmen's compensation funds.

As provided by Section 31 of The National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

AUDIT

The Auditor General of Canada has carried on a continuous audit of the accounts.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, are appended to this report.

Respectfully submitted,

R. K. SMITH,
Chairman,

A. E. DUBUC,
Vice-Chairman.

B. J. ROBERTS.

F. W. RIDDELL.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—

Harbour General.....	\$ 1,001,738 91
Wharves and Piers.....	4,254,887 97
Permanent Sheds.....	627,649 36
Shed Hoists.....	33,111 00
Railway System.....	862,666 84
Grain Elevator System.....	2,473,942 09
Cold Storage System.....	598,174 82
Miscellaneous—Outsiders.....	603,534 30
Bridge Tools and Sundry Receipts.....	733,723 26
	<u>\$11,189,428 55</u>

OPERATING EXPENSES—

Administration.....	599,653 67
Operation and Maintenance—	
Harbour Dredging.....	\$ 104,601 39
Harbour General.....	690,684 77
Vehicular Bridges.....	4,025 46
Roads, Fences and Boundaries.....	58,307 69
Sewers and Drains.....	7,952 45
Wharves and Piers.....	280,873 74
Permanent Sheds.....	380,605 96
Shed Hoists.....	19,006 20
Railway System.....	680,013 79
Grain Elevator System.....	1,093,761 25
Cold Storage System.....	461,992 25
Miscellaneous Outsiders.....	400,797 78
Bridges.....	137,012 68
	<u>4,319,635 41</u>
	4,919,289 08
Operating Income.....	<u>6,270,139 47</u>

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	366,829 87
MISCELLANEOUS INCOME CREDITS.....	78,155 18
	<u>444,985 05</u>
Total Income.....	<u>6,715,124 52</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	366,829 87
Reserve for Bad Debts.....	4,567 56
Miscellaneous Income Charges.....	11,052 77
Trustees' Fees, Commissions, Bond Discount, etc.....	115,435 80
	<u>497,886 00</u>

Income Available for Interest due Public.....	6,217,238 52
---	--------------

INTEREST ON DEBT TO THE PUBLIC.....	1,042,814 59
	<u>5,174,423 93</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,796 075 17
Reserve for Depreciation.....	166,152 00
Interest due Dominion Government.....	7,027,076 27
	<u>8,989,303 44</u>
	<u>3,814,879 51</u>

Deduct:

Special Contributions to Deficit (Bridge-Montreal).....	300,000 00
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Net Income Deficit.....	<u>\$ 3,514,879 51</u>
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NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,268,659 60
Real Estate.....	12,754,359 69
Vehicular Bridges.....	300,561 32
Roads, Fences and Boundaries.....	1,760,538 47
Sewers and Drains.....	663,600 13
Miscellaneous Structures.....	749,110 70
Wharves and Piers.....	87,660,104 66
Permanent Sheds.....	19,766,721 18
Shed Hoists and Electric Cranes.....	266,273 85
Railway System.....	6,953,619 79
Grain Elevator System.....	41,790,252 38
Cold Storage System.....	5,718,695 57
Office Furniture and Appliances.....	133,347 97
Harbours Buildings.....	739,300 56
Central Heating Plants.....	156,453 31
Harbour Shops.....	332,232 97
Electric Power System.....	1,311,898 57
Water Supply System.....	729,162 29
Floating Equipment.....	2,276,245 25
Shore Equipment.....	784,439 70
Miscellaneous Small Plant.....	574,861 13
Engineering-General Surveys.....	606,402 98
Works under Construction.....	1,235,003 83
Sundry Expenditure-Undistributed.....	5,297,855 94
Bridge Construction and Right-of-Way, etc.....	19,523,461 64
	<u>\$224,352,663 48</u>

CURRENT—

Cash.....	1,254,168 30
Accounts Receivable.....	1,757,820 65
Advances due on Capital Account.....	165,409 45
Stores on Hand.....	462,034 14
Accrued Revenue.....	293,066 91
Other Assets.....	50,886 04
	<u>3,983,385 49</u>

INVESTMENTS.....	44,693 00
SECURITY DEPOSITS.....	232,039 47
REPLACEMENT FUND.....	10,864,591 31
FIRE AND GENERAL INSURANCE FUND.....	565,470 06
GENERAL WORKMEN'S COMPENSATION FUND.....	171,324 94
MISCELLANEOUS FUNDS.....	33,875 00
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	246,218 82
PREPAID CHARGES.....	38,111 70
DEFERRED DEBITS.....	27,357 18
	<u>\$240,559,730 45</u>

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1941

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....\$ 20,601,582 35

DOMINION GOVERNMENT ACCOUNT

Loans and Advances (Interest Bearing).....	\$ 155,549,357 14	
Expenditure under Appropriations.....	50,068,929 23	
Government Loans Applied for.....	165,409 45	
		205,783,695 82

ACCOUNTS PAYABLE—CONSTRUCTION..... 150,173 88

CONTRACTORS' HOLDBACKS—CONSTRUCTION..... 115,667 20

CURRENT

Working Capital Advances.....	25,000 00	
Accounts Payable.....	378,159 01	
Salaries and Wages Payable.....	62,170 89	
Matured Interest Unpaid—		
Due Public.....	28,294 82	
Due Dominion Government.....	51,072,999 06	
Accrued Interest due Public.....	183,922 78	
Contractors' Holdbacks—Maintenance.....	7,323 61	
Unclaimed Wages.....	1,120 57	
Matured Debentures due Public.....	43,000 00	
Other Current Liabilities.....	4,648 97	
		51,806,639 71

CONTRACTORS' SECURITY DEPOSITS—CONTRA..... 232,039 47

RESERVES

Replacement.....	11,028,767 40	
Fire and General Insurance.....	563,036 14	
General Workmen's Compensation.....	171,324 94	
Miscellaneous.....	1,673,798 89	
		13,436,927 37

DEFERRED CREDITS..... 239,730 33

292,366,456 13

SURPLUS AND DEFICIT ACCOUNT

Deficit as at December 31, 1940.....	47,985,120 57
Adjustments in 1941.....	339,240 98
Net Income Deficit for 1941.....	3,514,879 51
	51,839,241 06

Deduct:

Government Grant.....	32,515 38	
		51,806,725 68

\$ 240,559,730 45

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the Ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates 7 main piers and wharves having about 13,600 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,100,000 square feet. In addition, the Board manages a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,075,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$124,111. In addition to major repairs to the deck and sub-structure of pier 3, Deep Water terminals, the regular maintenance of wharves, sheds, cold storage warehouse, elevator, roadways and auxiliary facilities was carried on. Additional barrier fences, special lighting and sentry boxes were provided for the protection of the Board's property due to war conditions.

CAPITAL WORKS

During the year expenditures on capital and replacement works in connection with the acquisition of floating crane, trucks for cold storage warehouse and reconstruction of grain shipping gallery 24 amounted to \$3,436.

WAR APPROPRIATION WORKS

Expenditures amounting to \$642,369 were made from funds provided under the War Appropriation Act, 1941, for the following works:—

Pier 9 Second Extension.—A contract for the construction of a 700 ft. extension to pier 9, Richmond terminals, in timber and concrete, was awarded in April, 1941. An additional length of 550 ft. was added to the contract in June. At the end of the year approximately one-third of the dock wall was completed.

Lighterage Wharf at Fish Pier.—In August, 1941, a contract was let for the construction of a timber pile wharf as a prolongation of the south dock wall of the fish pier, providing a berth for mooring and loading lighterage scows. At the end of the year this work was practically completed and the wharf was in use.

In addition to the above the Board carried out the following works for, and at the expense of, the Department of Munitions and Supply, these works being for war purposes and not constituting additions to the Board's facilities:

Mooring Piers for Shipyards.—A contract for the construction of about 1,200 linear feet of berthage on the east side of the harbour, consisting of timber piers connected by timber trestles, for the use of vessels undergoing repairs, was awarded in July, 1941, and at the end of the year was approximately 90 percent completed.

Jetty at Dartmouth Cove.—A contract was awarded in July, 1941, for the construction of a timber crib pier about 450 feet long and 50 feet wide on the Dartmouth side of the harbour, south of the marine railway plant of Halifax

Shipyards, Limited, for the accommodation of vessels under repair at this plant. At the end of the year, the contract work was practically completed and the jetty was in use for the mooring of vessels.

Coal Handling Bridge, Pier 9 Extension.—In September, 1941, arrangements were made by the Department of Munitions and Supply for the purchase of the coal handling bridge located at Sec. 38-40, Montreal harbour, and its transfer to and installation on pier 9 extension, Richmond terminals. The contracts for the dismantling and re-erection of the bridge and the construction of the required foundations were awarded in September and at the end of the year work was completed and the coal handling bridge was in operation.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,593,479, as compared with \$1,225,787 in 1940, the increase being \$367,692. Operating and maintenance expenses showed an increase of \$255,767 over the previous year, the comparable figures being \$803,052 for 1941 and \$547,285 for 1940.

After charging reserve for replacements and interest due the Dominion Government, the year's operations showed a net income surplus of \$53,631, as compared with a deficit of \$91,690 in 1940.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—		
Harbour General.....	\$ 111,027 68	
Wharves and Piers.....	746,733 75	
Permanent Sheds.....	107,604 07	
Grain Elevator System.....	201,627 46	
Cold Storage System.....	265,292 96	
Miscellaneous—Outsiders.....	161,192 74	
	<hr/>	\$ 1,593,478 66
OPERATING EXPENSES—		
Administration.....	62,765 15	
Operation and Maintenance—		
Harbour General.....	\$ 105,837 61	
Roads, Fences and Boundaries.....	5,955 47	
Sewers and Drains.....	1,319 39	
Wharves and Piers.....	47,989 93	
Permanent Sheds.....	135,847 37	
Grain Elevator System.....	181,287 68	
Cold Storage System.....	158,712 75	
Miscellaneous—Outsiders.....	103,336 89	
	<hr/>	740,287 09
		<hr/>
		803,052 24
Operating Income.....		<hr/>
		790,426 42
INCOME RECEIVED FROM RESERVE FUNDS.....		37,955 96
MISCELLANEOUS INCOME CREDITS.....		43,505 49
		<hr/>
		81,461 45
Total Income.....		<hr/>
		871,887 87
MISCELLANEOUS DEDUCTIONS FROM INCOME—		
Income Received from Reserve Funds transferred to Reserves.....	37,955 96	
Reserve for Bad Debts.....	130 58	
Miscellaneous Income Charges.....	798 15	
	<hr/>	38,884 69
		<hr/>
		833,003 18
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	579,372 38	
	<hr/>	779,372 38
Net Income Surplus.....		<hr/>
		\$ 53,630 80

Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS

FIXED—	
Harbour Dredging.....	\$ 160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	238,737 01
Sewers and Drains.....	60,611 27
Miscellaneous Structures.....	28,387 08
Wharves and Piers.....	16,065,589 47
Permanent Sheds.....	4,933,480 46
Railway System.....	5,648 00
Grain Elevator System.....	2,328,071 25
Cold Storage System.....	1,919,344 34
Office Furniture and Appliances.....	27,587 78
Central Heating Plants.....	65,316 59
Electric Power System.....	8,409 40
Water Supply System.....	99,339 32
Floating Equipment.....	50,116 55
Shore Equipment.....	54,233 02
Miscellaneous Small Plant.....	69,901 63
Engineering—General Surveys.....	475,501 67
Works under Construction.....	642,369 05
	<u>\$27,826,160 86</u>
CURRENT—	
Cash—Receiver General of Canada..	\$ 249,257 05
Cash—On Hand.....	1,368 28
	<u>250,625 33</u>
Accounts Receivable.....	257,222 14
Less—Reserve for Bad Debts.....	752 09
	<u>256,470 05</u>
Advances due on Capital Account.....	5,980 91
Stores on Hand.....	29,941 08
Accrued Revenue.....	36,142 79
Other Assets.....	1,582 32
	<u>580,742 48</u>
SECURITY DEPOSITS.....	<u>106,503 47</u>
REPLACEMENT FUND.....	<u>1,113,699 03</u>
FIRE AND GENERAL INSURANCE FUND.....	<u>55,389 57</u>
MISCELLANEOUS FUNDS.....	<u>17,220 00</u>
PREPAID CHARGES.....	<u>349 68</u>
DEFERRED DEBITS.....	<u>3,151 06</u>
	<u>\$29,703,216 15</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$12,448,668 89
Expenditure under Appropriations.....	15,249,552 80
Government Loans Applied for—Contra.....	5,980 91
	<u>\$27,704,202 60</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	<u>96,619 97</u>
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	<u>62,069 33</u>
CURRENT—	
Accounts Payable.....	92,029 01
Salaries and Wages Payable.....	11,088 27
Matured Interest Unpaid.....	
Due Public.....	\$ 2,220 00
Due Dominion Government.....	4,005,779 60
Matured Debentures due Public.....	4,007,999 60
	<u>15,000 00</u>
	<u>4,126,116 88</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	<u>106,503 47</u>
RESERVES—	
Replacement.....	1,113,699 03
Fire and General Insurance.....	52,955 65
	<u>1,166,654 68</u>
DEFERRED CREDITS.....	<u>2,431 11</u>
	<u>33,264,598 04</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1940.....	3,615,012 69
Deduct—	
Net Income Surplus for 1941.....	53,630 80
	<u>3,561,381 89</u>
	<u>\$29,703,216 15</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 19 deep water wharves having some 11,800 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water and 16 transit sheds, including 2 frost-proof sheds, with an aggregate floor space of about 745,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to 9 of the berths by over 2 miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. A 45-ton fixed derrick is available at berth 1, Navy Island. A 15-ton floating derrick is also available together with scows for lighterage.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year, ordinary maintenance and repairs were carried out at a total cost of \$108,382. The larger items were dredging of deep water berths to a minimum depth of 30 feet at extreme low tide; the re-conditioning of disintegrated concrete at berths 11 and 13; the reconstruction of the corner of Reed's Point wharf; and the painting of grain elevator dumping house and a portion of the grain galleries.

CAPITAL WORKS

During 1941 the expenditures on capital account amounted to \$5,905, as follows:

Painting Sheds 9, 10 and 11 and extension to sheds 2 and 3.—This work was performed by the Board's forces and was completed in October.

Construction of Platform at Shed 11.—This work, which was not completed at the end of the year, is being carried on by the Board's forces.

WAR APPROPRIATION WORKS

During the year expenditures amounting to \$553,860 were made from funds provided under the War Appropriation Act, 1941, for the following work:

Construction of a Timber Pile Wharf at Berth 4.—A contract was awarded in June, 1941, for the construction of a timber pile wharf 900 feet long by 60 feet wide and dredging on each side to depths of 30 feet and 12 feet below low water, respectively. At the end of the year the work was approximately 90% completed.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$776,066 and showed an increase of \$114,707 over those of the previous year. Operating and maintenance expenses were \$264,971, being \$6,070 greater than in 1940 when such expenditures amounted to \$258,901.

After taking into account income debits and credits, paying interest on debt to the public of \$69,436 and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$547,116 as against a deficit, in 1940, of \$655,194.

REDEMPTION OF DEBENTURES

Debenture indebtedness to the public, in the amount of \$2,000, was paid off during the year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—

Harbour General.....	\$	33,542	08
Wharves and Piers.....		605,705	69
Permanent Sheds.....		29,198	71
Shed Hoists (Crane).....		3,037	00
Railway System.....		377	50
Grain Elevator System.....		71,630	95
Miscellaneous—Outsiders.....		32,574	56
			<u>\$ 776,066 49</u>

OPERATING EXPENSES—

Administration.....		31,768	75
Operation and Maintenance—			
Harbour Dredging.....	\$	52,118	93
Harbour General.....		53,984	49
Vehicular Bridges.....		196	56
Roads, Fences and Boundaries.....		1,908	58
Sewers and Drains.....		308	42
Wharves and Piers.....		38,678	56
Permanent Sheds.....		59,205	67
Shed Hoists (Crane).....		295	48
Grain Elevator System.....		7,349	24
Miscellaneous—Outsiders.....		19,156	14
		233,202	07
			<u>264,970 82</u>

Operating Income..... 511,095 67

INCOME RECEIVED FROM RESERVE FUNDS..... 33,678 88

MISCELLANEOUS INCOME CREDITS..... 1,226 94

34,905 82

Total Income..... 546,001 49

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....		33,678	88
Reserve for Bad Debts.....		971	79
Miscellaneous Income Charges.....		1,792	46
			<u>36,443 13</u>

Income Available for Interest due Public..... 509,558 36

INTEREST ON DEBT TO THE PUBLIC..... 69,435 93

440,122 43

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....		200,000	00
Interest due Dominion Government.....		787,238	86
			<u>987,238 86</u>

Net Income Deficit..... \$ 547,116 43

Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1941

HARBOUR OF SAINT JOHN

19

ASSETS

FIXED—	
Harbour Dredging.....	\$ 955,090 54
Real Estate.....	1,758,867 14
Vehicular Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,999 66
Wharves and Piers.....	13,999,992 06
Permanent Sheds.....	2,242,538 22
Shed Hoists and Electric Cranes.....	19,282 52
Railway System.....	192,660 57
Grain Elevator System.....	3,988,343 44
Office Furniture and Appliances.....	7,026 85
Harbour Buildings.....	29,409 57
Central Heating Plants.....	65,256 80
Floating Equipment.....	47,907 80
Shore Equipment.....	21,309 00
Miscellaneous Small Plant.....	6,240 40
Works under Construction.....	554,776 18
	<u>\$24,069,778 12</u>
CURRENT—	
Cash—Receiver General of Canada..	\$ 26,345 43
Cash—On Hand.....	473 70
	<u>56,766 22</u>
Accounts Receivable.....	26,819 13
Less—Reserve for Bad Debts.....	183 95
Advances due on Capital Account.....	56,582 27
Stores on Hand.....	5,550 14
Accrued Revenue.....	15,626 68
	<u>54,042 11</u>
	158,620 33
SECURITY DEPOSITS.....	
	69,060 00
REPLACEMENT FUND.....	
	1,156,221 36
FIRE AND GENERAL INSURANCE FUND.....	
	63,003 36
PREPAID CHARGES.....	
	5 50
DEFERRED DEBITS.....	
	94 29
	<u>\$25,516,782 96</u>

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	
	\$ 1,443,182 35
DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$16,547,204 24
Expenditure under Appropriations.....	6,271,496 34
Government Loans Applied for—Contra.....	5,550 14
	<u>22,824,250 72</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	
	41,699 17
CONTRACTORS HOLDBACKS—CONSTRUCTION.....	
	53,597 87
CURRENT—	
Accounts Payable.....	13,986 46
Salaries and Wages Payable.....	2,298 79
Matured Interest Unpaid—	
Due Public.....	\$ 1,947 95
Due Dominion Government.....	6,474,789 24
	<u>6,476,737 19</u>
Accrued Interest due Public.....	21,256 86
Contractors Holdback—Maintenance.....	7,176 00
Unclaimed Wages.....	3 75
	<u>6,521,459 05</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	
	69,060 00
RESERVES—	
Replacement.....	1,256,221 36
Fire and General Insurance.....	63,003 36
	<u>1,319,224 72</u>
DEFERRED CREDITS.....	
	12,911 01
	<u>32,285,384 89</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1940.....	6,221,485 50
Net Income Deficit for 1941.....	547,116 43
	<u>6,768,601 93</u>
	<u>\$25,516,782 96</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 130 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 30 feet draft, a concrete fireproof shed 400 feet by 60 feet, a frame shed 150 feet by 40 feet and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a cost of \$5,659. The principal items were repairs to wharves and railway trackage.

REVENUES AND EXPENDITURES

Operating revenues totalled \$30,339 and operating and maintenance expenses \$16,101. Revenue showed a decrease of \$3,800 and expenses were higher by \$854, as compared with the previous year.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$203,338, compared with a deficit of \$198,519 in 1940.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—			
Harbour General.....	\$	870 71	
Wharves and Piers.....		25,042 36	
Permanent Sheds.....		3,783 48	
Miscellaneous—Outsiders.....		642 71	
		<u> </u>	\$ 30,339 26
OPERATING EXPENSES—			
Administration.....		5,448 96	
Operation and Maintenance—			
Harbour General.....	\$	2,382 44	
Roads, Fences and Boundaries.....		147 80	
Wharves and Piers.....		4,584 36	
Permanent Sheds.....		1,133 77	
Railway System.....		2,124 30	
Miscellaneous—Outsiders.....		278 94	
		<u> </u>	10,651 61
			<u> </u> 16,100 57
Operating Income.....			14,238 69
INCOME RECEIVED FROM RESERVE FUNDS.....			
		451 37	
MISCELLANEOUS INCOME CREDITS.....		32 39	
		<u> </u>	483 76
Total Income.....			<u> </u> 14,722 45
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Income Received from Reserve Funds transferred to Reserves.....		451 37	
Reserve for Bad Debts.....		207 15	
		<u> </u>	658 52
			<u> </u> 14,063 93
OTHER INCOME REQUIREMENTS—			
Reserve for Replacements.....		30,000 00	
Interest due Dominion Government.....		187,401 78	
		<u> </u>	217,401 78
Net Income <i>Deficit</i>	\$		<u><u> </u></u> 203,337 85

Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS

Fixed—

Harbour Dredging.....	\$ 467,172 01
Real Estate.....	35,625 67
Roads, Fences and Boundaries.....	115,905 96
Sewers and Drains.....	165,653 09
Wharves and Piers.....	3,309,202 84
Permanent Sheds.....	123,937 31
Railway System.....	38,599 51
Office Furniture and Appliances.....	4,106 00
Electric Power System.....	3,915 37
Water Supply System.....	16,820 79
Floating Equipment.....	28,860 62
Shore Equipment.....	690 81
Miscellaneous Small Plant.....	1,348 84
Engineering—General Surveys.....	18,375 66
	<u>\$ 4,330,213 98</u>

CURRENT—

Cash—Receiver General of Canada..	\$ 23,831 03
Cash—On Hand.....	1,504 13
	<u>25,335 16</u>
Accounts Receivable.....	816 99
Advance due on Capital Account.....	120 50
Stores on Hand.....	1,114 73
	<u>27,387 38</u>

REPLACEMENT FUND.....

27,387 38

FIRE AND GENERAL INSURANCE FUND.....

25,375 00

PREPAID CHARGES.....

609 32

\$ 4,388,111 16

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—

Loans and Advances (Interest bearing).....	\$ 3,837,793 78
Expenditure under Appropriations.....	505,398 32
Government Loans Applied for—Contra.....	120 50
	<u>\$ 4,343,312 60</u>

CURRENT—

Accounts Payable.....	14 40
Matured Interest due Dominion Government.....	1,789,458 79
Unclaimed Wages.....	22 30
	<u>1,789,495 49</u>

RESERVES—

Replacement.....	180,375 00
Fire and General Insurance.....	4,525 48
	<u>184,900 48</u>

DEFERRED CREDITS.....

1,265 56
6,318,974 13

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1940.....	1,724,834 56
Adjustments in 1941.....	2,690 56
Net Income Deficit for 1941.....	203,337 85
	<u>1,930,862 97</u>

\$ 4,388,111 16

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles Rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 32 miles of standard gauge terminal railway, connected with both Canadian Railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also, a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 50 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$169,833. The principal items were the renewal of the face brick of part of the south and east walls of the cold storage main warehouse; insulating the floor of part of the main warehouse; renewal of insulation and brickwork of the elevator shaft walls in the cold storage fish house; reconditioning two Gurney elevator scales; replacing metal siding on part of the grain shipping galleries; relocation of tracks at berth 20; paving in shed 14; renewal of roofing and sheathing at shed 20; repairs to derrick scow and deck scows; and dredging in the Inner Basin.

CAPITAL WORKS

During 1941 expenditures on capital account amounted to \$4,627. The main item was:

Paving Wharf at Berth 5, Wolfe's Cove Terminals.—This work, which was performed by the Board's forces, consisted of levelling the wharf at Berth 5, Wolfe's Cove terminals, with crushed rock, rolling and application of an oil binder over an area of 7,500 square yards.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$710,867, as compared with \$684,988 in the previous year, an increase of \$25,879. Operating and maintenance expenses were \$583,546, as against \$504,078 in 1940, the increase being \$79,468.

Net income deficit, after all charges, including interest and reserve for replacements, was \$1,301,502, the corresponding figure for the previous year being \$1,248,752.

REDEMPTION OF DEBENTURES

The remaining debenture indebtedness to the public, consisting of an issue of \$400,000, 4% debentures, was paid off during the year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—

Harbour General.....	\$ 23,494 34	
Wharves and Piers.....	167,109 46	
Permanent Sheds.....	49,670 42	
Railway System.....	73,761 78	
Grain Elevator System.....	289,682 62	
Cold Storage System.....	69,662 46	
Miscellaneous—Outsiders.....	37,486 10	
	<hr/>	\$ 710,867 18

OPERATING EXPENSES—

Administration.....	72,303 79	
Operating and Maintenance—		
Harbour Dredging.....	\$ 2,922 43	
Harbour General.....	79,840 97	
Vehicular Bridges.....	3,828 90	
Roads, Fences and Boundaries.....	7,615 37	
Sewers and Drains.....	2,331 23	
Wharves and Piers.....	40,526 42	
Permanent Sheds.....	34,913 39	
Railway System.....	84,766 37	
Grain Elevator System.....	141,113 55	
Cold Storage System.....	87,010 68	
Miscellaneous—Outsiders.....	26,372 58	
	<hr/>	511,241 89
		<hr/>
		583,545 68

Operating Income..... 127,321 50

INCOME RECEIVED FROM RESERVE FUNDS..... 3,109 15

MISCELLANEOUS INCOME CREDITS.....	4,132 30	
	<hr/>	7,241 45
		<hr/>
		134,562 95

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	3,109 15	
Miscellaneous Income Charges.....	3,895 52	
	<hr/>	7,004 67
		<hr/>
Income Available for Interest due Public.....		127,558 28

INTEREST ON DEBT TO THE PUBLIC.....	14,666 66	
	<hr/>	112,891 62

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	1,214,394 06	
	<hr/>	1,414,394 06

Net Income *Deficit*..... \$ 1,301,502 44

Harbour of Quebec

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS

FIXED—	
Harbour Dredging.....	\$ 3,940,865 55
Real Estate.....	290,482 89
Vehicular Bridges.....	172,272 75
Roads, Fences and Boundaries.....	129,167 35
Sewers and Drains.....	293,022 25
Miscellaneous Structures.....	134,603 77
Wharves and Piers.....	13,171,761 24
Permanent Sheds.....	3,275,963 63
Shed Hoists.....	12,000 00
Railway System.....	809,151 57
Grain Elevator System.....	3,741,709 16
Cold Storage System.....	718,708 37
Office Furniture and Appliances.....	16,164 70
Harbour Buildings.....	196,735 26
Central Heating Plants.....	11,300 46
Harbour Shops.....	33,736 82
Electric Power System.....	57,339 02
Water Supply System.....	30,213 33
Floating Equipment.....	93,293 43
Shore Equipment.....	63,244 20
Miscellaneous Small Plant.....	5,942 99
Sundry Expenditures (Undistributed).....	1,621,453 70
	<u>\$28,879,132 54</u>

CURRENT—
Cash—Receiver General of Canada.. \$ 181,129 16
Cash—On Hand..... 141 89

Accounts Receivable..... 58,023 13
Less—Reserve for Bad Debts..... 1,799 13

Advances due on Capital Account.....
Stores on Hand..... 4,627 60
Accrued Revenue..... 44,463 88
Other Assets..... 52,168 81
2,657 27

SECURITY DEPOSITS..... 341,412 61
REPLACEMENT FUND..... 351 00
FIRE AND GENERAL INSURANCE FUND..... 101,500 00
PREPAID CHARGES..... 52,481 84
DEFERRED DEBTS..... 4,191 39
200 00

\$29,379,269 38

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—
Loans and Advances (Interest bearing)..... \$27,772,903 54
Expenditure under Appropriations..... 2,571,273 44
Government Loans Applied For—Contra..... 4,627 60
\$30,348,804 58

CURRENT—
Accounts Payable..... 19,241 42
Salaries and Wages Payable..... 8,591 35
Matured Interest Unpaid—
Due Public..... \$ 520 00
Due Dominion Government 24,607,400 56
24,607,920 56
Unclaimed Wages..... 15 62
Matured Debentures due Public..... 28,000 00
24,664,768 95

CONTRACTORS' SECURITY DEPOSITS—CONTRA..... 351 00

RESERVES—
Replacement..... 1,201,500 00
Fire and General Insurance..... 52,481 84
1,253,981 84

DEFERRED CREDITS..... 3,405 70
56,271,312 07

SURPLUS AND DEFICIT ACCOUNT—
Deficit as at December 31, 1940..... 25,590,540 25
Net Income Deficit for 1941..... 1,301,502 44
26,892,042 69

\$29,379,269 38

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about 7½ months in the year. The facilities operated by the Board include 3 main wharves having some 7,400 linear feet of berthing with a minimum water depth of 30 feet alongside and 9 transit sheds with a total floor area of about 192,000 square feet.

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$17,747. The main items were the levelling of the floor of shed No. 4; and repairs to the face of wharf leased to Dominion Coal Company.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$243,911, as compared with \$237,924 in 1940, the increase being \$5,987. Operating and maintenance expenses were \$38,930, as compared with \$44,905 in the previous year.

After payment of interest on debt to the public and charging reserve for replacements and interest due the Dominion Government, there was a net income deficit of \$52,049, the corresponding deficit in the year 1940 being \$64,567.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—		
Harbour General.....	\$ 8,433 02	
Wharves and Piers.....	183,069 86	
Permanent Sheds.....	50,864 75	
Miscellaneous—Outsiders.....	1,543 44	
	<u>\$</u>	<u>243,911 07</u>
OPERATING EXPENSES—		
Administration.....	16,718 12	
Operation and Maintenance—		
Harbour General.....	\$ 2,465 27	
Roads, Fences and Boundaries.....	172 99	
Wharves and Piers.....	9,462 91	
Permanent Sheds.....	6,926 89	
Railway System.....	2,916 49	
Miscellaneous—Outsiders.....	267 52	
	<u>22,212 07</u>	<u>38,930 19</u>
Operating Income.....		<u>204,980 88</u>
INCOME RECEIVED FROM RESERVE FUNDS.....	12,599 82	
MISCELLANEOUS INCOME CREDITS.....	202 48	
		<u>12,802 30</u>
Total Income.....		<u>217,783 18</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—		
Income Received from Reserve Funds transferred to Reserves.....	12,599 82	
Reserve for Bad Debts.....	200 00	
Miscellaneous Income Charges.....	170 43	
	<u>12,970 25</u>	
Income Available for Interest due Public.....		<u>204,812 93</u>
INTEREST ON DEBT TO THE PUBLIC.....	8,712 00	
		<u>196,100 93</u>
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....	70,000 00	
Interest due Dominion Government.....	178,150 17	
		<u>248,150 17</u>
Net Income Deficit.....	<u>\$</u>	<u>52,049 24</u>

HARBOUR OF MONTREAL

The harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast, and is reached by ocean shipping through a dredged channel having a minimum depth of $32\frac{1}{2}$ feet, now being completed to 35 feet. It is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The Harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 116 berths, totalling over 10 miles of berthing accommodation; 26 transit sheds with an aggregate floor area of over 2,040,000 square feet; also four grain elevators with a total storage capacity of over 15,000,000 bushels and $3\frac{1}{2}$ miles of grain conveyor galleries; and a cold storage warehouse with a capacity of 4,628,000 cubic feet. A 75-ton capacity floating crane and several locomotive track cranes are available.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During 1941 ordinary maintenance and repairs were carried out at a total cost of \$516,213 excluding maintenance on Jacques Cartier Bridge on which \$29,277 was expended.

The larger items were repairs to piers Nos. 1 and 3; repairs to Marine Tower jetty, elevator No. 2; repairs to wharf at sections 40-42; exterior painting of sheds 8 and 10 and two galleries over shed 11; interior painting of shed 12; resurfacing of lower floor of shed 9; alterations to railway siding at section 12; reconditioning a stub end railway siding; renewing roof of conveyor gallery No. 6; repairing boiler house walls and foundations of the harbour yard heating plant; repairs to Victor Street subway railway bridge; and all electrical, mechanical and floating equipment was maintained in good operating condition.

CAPITAL WORKS

During the year total expenditures on capital and replacement works amounted to \$230,464, the following constituting the principal items:—

Railway Tracks, Lighting and Water Service, Sections 47-49.—Six lines of railway tracks, a floodlight system and a water service connection were constructed on the recently completed wharf at sections 47-49, and a large depression was filled. The work was performed by the Board's forces and was completed during the year.

Levelling Wharf, Sections 38-40.—Some 16,000 tons of rock screenings were placed on the wharf at sections 38-40 by the Board's forces to fill depressions and level the surface. The work was completed during 1941.

Reconstruction Shop Wharf at MacKay Guard Pier.—A portion—130 linear feet—of the shop wharf at MacKay Guard Pier was reconstructed in timber and creosoted piling by the Board's forces. The work was completed during 1941.

Paving at Section 24.—A small strip between the old and new cope walls at Section 24 was paved by the Board's forces.

Changing Harbour Railway from Electric to Steam Operations.—Preliminary work was performed in connection with changing the harbour railway from an electric to a steam system. The work, which is being done by the Board's forces, was not completed at the end of the year.

Construction of Rest Room at Elevator No. 3.—A wooden building for use as a rest room by grain shovellers was constructed in front of elevator No. 3 by the Board's forces.

Purchase of Two Locomotive Cranes.—Two steam locomotive cranes of 30 tons capacity were purchased for use in the harbour and were placed in service during the year.

Reconstruction of Subways at Sections 45-46.—Preliminary work was performed in connection with the reconstruction with steel sheet piling of two subways at sections 45-46. The work which is being performed by the Board's forces, was not completed during 1941.

WAR APPROPRIATION WORKS

During the year expenditures amounting to \$112,602 were made from funds provided under the War Appropriation Act, 1941, for the following purpose:

Purchase of Three Locomotive Cranes.—Three steam locomotive cranes of 30 tons capacity were purchased and placed in service in the harbour during the year.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$5,174,415 and showed an increase of \$56,597 over the earnings of \$5,117,818 obtained in 1940. Operating and maintenance expenses increased from \$2,116,681 in 1940 to \$2,214,748 in 1941.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$432,757, as compared with \$428,167 in 1940.

The foregoing figures are exclusive of the operations of Jacques Cartier bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—

Harbour General.....	\$ 43,823 90
Wharves and Piers.....	2,370,767 76
Permanent Sheds.....	273,613 72
Shed Hoists.....	30,074 00
Railway System.....	600,095 02
Grain Elevator System.....	1,261,884 39
Cold Storage System.....	232,533 04
Miscellaneous—Outsiders.....	361,623 64
	<u>\$ 5,174,415 47</u>

OPERATING EXPENSES—

Administration.....	248,521 18
Operation and Maintenance—	
Harbour Dredging.....	\$ 45,203,33
Harbour General.....	257,694 14
Roads, Fences and Boundaries.....	40,889 33
Sewers and Drains.....	3,993 41
Wharves and Piers.....	79,474 34
Permanent Sheds.....	68,025 04
Shed Hoists.....	18,341 91
Railway System.....	448,468 38
Grain Elevator System.....	565,825 65
Cold Storage System.....	194,655 38
Miscellaneous—Outsiders.....	243,656 03
	<u>1,966,226 94</u>
	2,214,748 12
Operating Income.....	<u>2,959,667 35</u>

INCOME RECEIVED FROM RESERVE FUNDS..... 144,882 51

MISCELLANEOUS INCOME CREDITS..... 23,914 68

168,797 19

Total Income..... 3,128,464 54

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	144,882 51
Reserve for Bad Debts.....	627 19
Miscellaneous Income Charges.....	39 14
	<u>145,548 84</u>
	2,982,915 70

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	797,560 00
Interest due Dominion Government.....	2,618,113 04
	<u>3,415,673 04</u>
Net Income Deficit.....	<u><u>\$ 432,767 34</u></u>

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1941

(Excluding Jacques Cartier Bridge)

ASSETS		LIABILITIES	
FIXED—			
Harbour Dredging.....	\$ 5,564,416 49	DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	2,207,455 64	Loans and Advances (Interest bearing).....	\$61,175,680 07
Roads, Fences and Boundaries.....	780,882 46	Expenditure under Appropriations.....	4,371,228 51
Sewers and Drains.....	144,313 52	Government Loans Applied for—Contra.....	141,493 55
Miscellaneous Structures.....	393,883 62		<u>\$65,688,402 13</u>
Wharves and Piers.....	24,586,738 12		
Permanent Sheds.....	6,695,147 79	ACCOUNTS PAYABLE—CONSTRUCTION.....	11,135 99
Shed Hoists.....	234,991 33		
Railway System.....	4,029,689 81	CURRENT—	
Grain Elevator System.....	15,693,915 80	Accounts Payable.....	60,360 29
Cold Storage System.....	3,011,944 98	Salaries and Wages Payable.....	29,721 26
Office Furniture and Appliances.....	31,213 04	Matured Interest Unpaid—	
Harbour Buildings.....	301,693 79	Due Dominion Government.....	8,199,439 46
Central Heating Plants.....	14,579 46	Unclaimed Wages.....	674 03
Harbour Shops.....	285,196 44		<u>8,290,195 04</u>
Electric Power System.....	1,211,231 00	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	46,000 00
Water Supply System.....	163,997 31		
Floating Equipment.....	772,140 14	RESERVES—	
Shore Equipment.....	395,981 01	Replacement.....	2,911,699 18
Works under Construction.....	34,667 27	Fire and General Insurance.....	335,331 41
	<u>\$86,554,109 02</u>		<u>3,247,030 59</u>
CURRENT—		DEFERRED CREDITS.....	65,284 01
Cash—Receiver General of Canada. \$ 321,783 60			<u>77,348,047 76</u>
Cash—On Hand.....	1,566 68		
Accounts Receivable.....	655,698 36	SURPLUS AND DEFICIT ACCOUNT—	
Less—Reserve for Bad Debts.....	3,029 55	Deficit as at December 31, 1940.....	4,353,868 56
Advances due on Capital Account.....		Adjustments in 1941.....	52,839 73
Stores on Hand.....		Net Income Deficit for 1941.....	432,757 34
Accrued Revenue.....			<u>4,839,465 63</u>
Other Assets.....			<u>\$72,508,582 13</u>
	<u>1,442,286 22</u>		
SECURITY DEPOSITS.....	46,000 00		
REPLACEMENT FUND.....	4,103,816 43		
FIRE AND GENERAL INSURANCE FUND.....	335,331 41		
PREPAID CHARGES.....	19,753 87		
DEFERRED DEBITS.....	7,285 18		
	<u>\$72,508,582 13</u>		

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge at the harbour of Montreal during the calendar year 1941, with comparisons for 1940:—

Classification	1941 Revenue Passages	1940 Revenue Passages
Passengers in vehicles.....	6,589,050	5,022,211
Automobiles (passenger).....	2,151,415	1,703,285
Trucks.....	411,870	349,212
Buses.....	38,951	38,349
All others.....	14,923	16,325
	9,206,209	7,129,382

REVENUES AND EXPENDITURES

Increased traffic over the bridge resulted in a new high level for earnings. Receipts amounted to \$589,768, as compared with \$474,270 in 1940, the improvement being \$115,498. Operating and maintenance expenses were slightly higher at \$105,870, as against \$103,167 in the preceding year.

After making provision for interest on bonds, reserves for depreciation and replacements, and other charges against income, there was a net income deficit of \$1,015,977, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and City of Montreal. The corresponding net income deficit in 1940 was \$1,110,219.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUE—

Bridge Tolls Collected.....	\$ 587,264 60	
Sundry Receipts.....	2,503 52	
	<u> </u>	\$ 589,768 12

OPERATING EXPENSES—

Administration.....	21,657 76	
Operation.....	54,935 30	
Maintenance.....	29,276 56	
	<u> </u>	105,869 62
Operating Income.....		483,898 50

INCOME RECEIVED FROM RESERVE FUNDS..... 10,707 12

MISCELLANEOUS INCOME CREDITS.....	884 68	
	<u> </u>	11,591 80
Total Income.....		495,490 30

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	10,707 12	
Trustees' Fees, Commissions, etc.....	106,589 64	
Bond Discount.....	8,846 16	
	<u> </u>	126,142 92
Income Available for Interest due Public.....		369,347 38

INTEREST ON DEBT TO THE PUBLIC.....	950,000 00	
	<u> </u>	580,652 62

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	42,600 00	
Reserve for Depreciation.....	166,152 00	
Interest due Dominion Government.....	226,572 46	
	<u> </u>	435,324 46
		1,015,977 08

Deduct—

Proportion of Deficit Payable by:

Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
	<u> </u>	300,000 00

Net Income *Deficit*..... \$ 715,977 08

Jacques Cartier Bridge—Montreal

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS

FIXED—

Bridge Structure, Right-of-Way, etc.....\$18,650,776 51

CURRENT—

Cash—Receiver General of Canada..\$ 61,364 39
 Cash—On Hand..... 2,085 65
 Cash in Bank—Coupon Account..... 23,595 87
 Accounts Receivable..... 4,073 17
 Province of Quebec—
 On Account of Deficit..... 150,000 00
 City of Montreal—
 On Account of Deficit..... 150,000 00

304,073 17

391,119 08

REPLACEMENT FUND..... 399,438 03

MISCELLANEOUS FUNDS..... 3,519 25

BOND DISCOUNT SUSPENSE ACCOUNT..... 246,218 82

PREPAID CHARGES..... 3,622 12

\$19,694,693 81

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC—
 Forty-year 5% First Mortgage Guaranteed Gold Bonds,
 Maturing 1st November, 1969.....\$19,000,000 00

DOMINION GOVERNMENT ACCOUNT—

Advances to meet interest on Bonds..... 4,815,356 00

CURRENT—

Accounts Payable.....\$ 10,751 93
 Salaries and Wages Payable..... 488 38
 Matured Interest due Dominion Government 1,404,042 09
 Matured Interest due Public—Contra..... 23,595 87
 Accrued Interest due Public..... 158,333 34
 Contractors' Holdbacks—Maintenance..... 147 61

RESERVES—

Replacement—General..... 217,614 62
 Replacement—Painting..... 181,823 41
 Depreciation..... 1,661,404 00

2,060,842 03

DEFERRED CREDITS.....

13 35

27,473,570 60

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1940..... 7,063,228 01
 Net Income Deficit for 1941..... 715,977 08

7,779,205 09

Deduct—

Adjustments in 1941..... 328 30

7,778,876 79

\$19,694,693 81

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with 5,500,000 bushel-storage capacity with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

MAINTENANCE

During 1941, ordinary maintenance and repairs were carried out at a total cost of \$17,489. The major items were repairs to shovel gear, marine towers, electrical equipment, lofters, conveyors, hoppers, drying equipment and railway trackage.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$215,606, as compared with \$284,272 in 1940, the decrease being \$68,666. Operating and maintenance expenditures were \$86,126, as against \$93,385 in the previous year, a decrease of \$7,259.

Net income surplus in 1941 was \$131,105, as against \$188,714 in the previous year, the decrease being \$57,609. No charge for interest or depreciation is made in the accounts of this elevator.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—

Harbour General.....	\$	260	01
Wharves and Piers.....		7,912	57
Railway System.....		353	50
Grain Elevator System.....		207,079	93
			<hr/>
	\$	215,606	01

OPERATING EXPENSES—

Administration.....		13,114	13
Operation and Maintenance.....		73,011	75
			<hr/>
		86,125	88
Operating Income.....		129,480	13

MISCELLANEOUS INCOME CREDITS.....		2,196	54
			<hr/>
Total Income.....		131,676	67

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Miscellaneous Income Charges.....		571	99
			<hr/>
Net Income Surplus.....	\$	131,104	68

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Wharves and Piers.....	\$ 961,260 11	Expenditure under Appropriations.....	\$ 4,903,824 76
Railway System.....	373,248 47		
Grain Elevator System.....	3,570,090 18		
Office Furniture and Appliances.....	3,838 42	CURRENT—	
Miscellaneous Small Plant.....	2,739 18	Accounts Payable.....	\$ 2,161 19
	<u>\$ 4,911,176 36</u>	Salaries and Wages Payable.....	99 86
			<u>2,261 05</u>
CURRENT—		DEFERRED CREDITS	92 81
Cash—Receiver General of Canada..	\$ 58,012 19		<u>4,906,178 62</u>
Cash—On Hand.....	662 78		
Accounts Receivable.....	87,247 25	SURPLUS AND DEFICIT ACCOUNT—	
Less—Reserve for Bad Debts.....	63 05	Surplus as at December 31, 1940.....	170,367 53
Stores on Hand.....	87,184 20	Net Income Surplus for 1941.....	131,104 68
Accrued Revenue.....	6,787 56		<u>301,472 21</u>
Other Assets.....	1,369 96		
	<u>1,405 76</u>	Deduct—	
	155,422 45	Payment to Dominion Government on	
		Account of Surplus Earnings.....	138,713 93
PREPAID CHARGES	2,338 09		<u>162,758 28</u>
	<u>\$ 5,068,936 90</u>		<u>\$ 5,068,936 90</u>

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$18,050. The major items were overhauling automatic scales; replacing counterbalance cables on marine legs; further installations of dust and vapour proof fittings on electric lights; insulating and overhauling lofter drive motors; and general repairs to conveyors, marine legs, vessel shovel gear, lofters and electrical system.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$164,167, showing a decrease of \$48,482 from the earnings of \$212,649 reported in 1940. Operating and maintenance expenses were \$79,937, as compared with \$91,660 in 1940, a decrease of \$11,723.

Net income surplus for 1941 was \$81,739, as against \$121,218 in the previous year, a decrease of \$39,479. No charge is made in the accounts of this facility for interest or depreciation on physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—	
Grain Elevator System.....	\$ 164,167 14
OPERATING EXPENSES—	
Administration.....	\$ 12,848 10
Operation and Maintenance.....	67,088 56
	<hr/>
	79,936 66
Operating Income.....	84,230 48
MISCELLANEOUS INCOME CREDITS.....	
	122 60
Total Income.....	<hr/>
	84,353 08
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Miscellaneous Income Charges.....	2,614 18
Net Income Surplus.....	<hr/>
	\$ 81,738 90

Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 21,875 80	Expenditure under Appropriations.....	\$ 2,353,217 60
Wharves and Piers.....	533,644 00		
Railway System.....	42,189 22		
Grain Elevator System.....	1,765,427 02		
Office Furniture and Appliances.....	3,404 63		
Miscellaneous Small Plant.....	15,065 83		
	<u>\$ 2,381,606 50</u>		
CURRENT—		CURRENT—	
Cash—Receiver General of Canada..	\$ 20,064 33	Accounts Payable.....	\$ 1,211 54
Cash—On Hand.....	325 00	Salaries and Wages Payable.....	361 97
	<u>20,389 33</u>		<u>1,573 51</u>
Accounts Receivable.....	84,042 45		
Stores on Hand.....	25,559 84		
	<u>129,991 62</u>		
		SURPLUS AND DEFICIT ACCOUNT—	
		Surplus as at December 31, 1940.....	143,305 58
		Net Income Surplus for 1941.....	81,738 90
			<u>225,044 48</u>
		Deduct—	
		Payment to Dominion Government on	
		account of Surplus Earnings.....	71,218 35
			<u>153,826 13</u>
PREPAID CHARGES.....	19 12		
	<u>\$ 2,511,617 24</u>		<u>\$ 2,511,617 24</u>

HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, two locomotive cranes of 15 and 20 tons capacity, a floating crane of 20 tons capacity, a gantry crane of 35 tons capacity, cattle pens capable of holding 400 head of cattle and a marine slipway capable of handling boats up to 1,200 tons weight.

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$13,826. The major items were repairs to service railway, wharf, marine railway, elevator roof and bin walls and realigning conveyor belt.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$70,268, only slightly less than receipts of \$70,518 reported in 1940. Expenditures on account of operation and maintenance showed a reduction of \$7,685, the comparable figure being \$102,500 for 1941 and \$110,185 for 1940.

After taking into account miscellaneous income credits and debits, the net income deficit for the year was \$32,874, as compared with a deficit of \$40,244 in 1940, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—			
Harbour General.....	\$	334 00	
Wharves and Piers.....		458 30	
Permanent Sheds.....		651 23	
Grain Elevator System.....		65,358 16	
Miscellaneous—Outsiders.....		3,466 07	
		<u>\$</u>	70,267 76
OPERATING EXPENSES—			
Administration.....		20,454 70	
Operation and Maintenance—			
Harbour Dredging.....	\$	4,356 70	
Harbour General.....		14,006 13	
Roads, Fences and Boundaries.....		437 85	
Wharves and Piers.....		3,341 98	
Permanent Sheds.....		1,534 08	
Railway System.....		1,779 84	
Grain Elevator System.....		53,863 61	
Miscellaneous—Outsiders.....		2,724 64	
		<u>82,044 83</u>	102,499 53
Operating Deficit.....			<u>32,231 77</u>
MISCELLANEOUS INCOME CREDITS.....			217 79
			<u>32,013 98</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Reserve for Bad Debts.....		138 00	
Miscellaneous Income Charges.....		363 40	
		<u>501 40</u>	
			<u>32,515 38</u>
OTHER INCOME REQUIREMENTS—			
Interest due Dominion Government.....			359 06
Net Income Deficit.....	\$		<u>32,874 44</u>

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS

FIXED—	
Harbour Dredging.....	\$ 1,180,299 05
Real Estate.....	60,277 88
Miscellaneous Structures.....	181,002 40
Wharves and Piers.....	1,367,768 68
Permanent Sheds.....	200,594 74
Railway System.....	32,702 20
Gran Elevator System.....	4,133,460 34
Harbour Buildings.....	147,300 05
Harbour Shops.....	13,299 71
Electric Power System.....	19,491 34
Water Supply System.....	407,897 10
Floating Equipment.....	1,233,202 26
Miscellaneous Small Plant.....	431,684 82
Engineering—General Surveys.....	109,441 06
Sundry Expenditure (Undistributed).....	3,676,402 24
	<u>\$13,195,424 47</u>

CURRENT—

Cash—Receiver General of Canada..\$	3,344 17
Cash—On Hand.....	191 27
	<u>3,535 44</u>
Accounts Receivable.....	844 20
Less: Reserve for Bad Debts.....	175 80
	<u>668 40</u>
Stores on Hand.....	54,473 11
Accrued Revenue.....	84,568 21
Other Assets.....	15,243 75
	<u>158,488 91</u>
PREPAID CHARGES.....	413 75
	<u><u>\$13,354,327 13</u></u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....\$	10,258 98
Expenditure under Appropriations.....	13,249,080 19
	<u>\$13,259,339 17</u>
CURRENT—	
Working Capital Advances.....	25,000 00
Accounts Payable.....	35,177 27
Salaries and Wages Payable.....	3,624 15
Matured Interest due Dominion Government.....	1,244 35
	<u>65,045 77</u>
DEFERRED CREDITS.....	5,560 09
	<u>13,329,945 03</u>
SURPLUS AND DEFICIT ACCOUNT—	
Surplus as at December 31, 1940.....	23,019 30
Adjustments in 1941.....	1,721 86
Government Grant <i>re</i> 1941 Deficit.....	32,515 38
	<u>57,256 54</u>
Deduct—	
Net Income Deficit for 1941.....	32,874 44
	<u>24,382 10</u>
	<u><u>\$13,354,327 13</u></u>

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard Inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year around has a minimum depth of 35 feet. The Board operates three piers and two jetties having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,816,500 bushels, a combined loading capacity of about 200,000 bushels per hour and $1\frac{1}{2}$ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 Imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$70,619, excluding maintenance of Second Narrows Bridge upon which \$14,736 was expended. The only large item was the construction of a concrete retaining wall to replace one built of timber on the north approach of the Second Narrows bridge. The usual maintenance and repairs of the Board's facilities, including wharves and piers, sheds, grain elevators, and terminal railway were also carried on.

CAPITAL WORKS

The expenditure charged in 1941 to capital and replacement reserve amounted to \$6,368 and included the completion of alterations and additions to Columbia Elevator and the construction of a bulkhead at No. 2 elevator.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,476,586, as compared with \$1,480,904 in 1940, a decrease of \$4,318. Operating and maintenance expenses were \$568,309, the comparable figure in 1940 having been \$568,853.

After taking into account income credits and debits and making provision for replacements and interest due the Dominion Government, there was a net income deficit of \$533,026, as compared with \$523,164 in 1940.

HARBOUR OF VANCOUVER

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INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—

Harbour General.....	\$ 779,953 17	
Wharves and Piers.....	148,088 22	
Permanent Sheds.....	112,262 98	
Railway System.....	188,079 04	
Grain Elevator System.....	212,511 44	
Cold Storage System.....	30,686 36	
Miscellaneous—Outsiders.....	5,005 04	
	<u>5,005 04</u>	\$ 1,476,586 25

OPERATING EXPENSES—

Administration.....		91,653 03	
Operation and Maintenance—			
Harbour General.....	\$ 174,473 72		
Roads, Fences and Boundaries.....	1,180 30		
Wharves and Piers.....	56,815 24		
Permanent Sheds.....	73,019 75		
Shed Hoists.....	368 81		
Railway System.....	139,958 41		
Grain Elevator System.....	4,221 21		
Cold Storage System.....	21,613 44		
Miscellaneous—Outsiders.....	5,005 04		
	<u>5,005 04</u>	476,655 92	
			568,308 95
Operating Income.....			<u>908,277 30</u>

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 121,870 31

MISCELLANEOUS INCOME CREDITS..... 47,271 51

169,141 82

Total Income..... 1,077,419 12

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves..... 121,870 31

Reserve for Bad Debts..... 2,500 00

Miscellaneous Income Charges..... 600,35

124,970 66

952,448 46

OTHER INCOME REQUIREMENTS—

Reserve for Replacements..... 250,000 00

Interest due Dominion Government..... 1,235,474 46

1,485,474 46

Net Income Deficit..... \$ 533,026 00

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 6,642,295 96	Loans and Advances (Interest bearing).....	\$25,120,956 53
Vehicular Bridges.....	98,181 20	Government Loans Applied for—Contra.....	7,636 75
Roads, Fences and Boundaries.....	284,491 77		\$25,128,593 28
Miscellaneous Structures.....	10,633 83		
Wharves and Piers.....	7,884,070 55		
Permanent Sheds.....	1,437,356 96		
Railway System.....	1,343,119 01		
Grain Elevator System.....	6,569,235 19	ACCOUNTS PAYABLE—CONSTRUCTION.....	718 75
Cold Storage System.....	68,697 88		
Office Furniture and Appliances.....	33,965 59	CURRENT—	
Harbour Buildings.....	64,161 89	Accounts Payable.....	138,070 86
Floating Equipment.....	50,724 45	Salaries and Wages Payable.....	4,896 86
Shore Equipment.....	248,981 66	Matured Interest Unpaid Due Dominion Government.....	3,467,285 72
Miscellaneous Small Plant.....	41,095 33	Unclaimed Wages.....	373 62
Engineering—General Surveys.....	3,084 59		
Works under Construction.....	3,191 33		3,610,027 06
	<u>\$24,783,137 19</u>		
CURRENT—		CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	10,125 00
Cash—Receiver General of Canada..	\$ 215,670 93		
Cash—On Hand.....	3,272 85	RESERVES—	
	<u>218,943 78</u>	Replacement.....	3,458,369 54
Accounts Receivable.....	218,489 72	Fire and General Insurance.....	39,139 26
Less—Reserve for Bad Debts.....	16,995 24	Miscellaneous.....	12,394 89
	<u>201,491 48</u>		3,509,903 69
Advances Due on Capital Account.....	7,636 75		
Stores on Hand.....	41,862 30	DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	115,770 11
Accrued Revenue.....	10,619 79		
	<u>480,554 10</u>		32,375,737 89
SECOND NARROWS BRIDGE—EQUITY			
INVESTMENTS.....	872,685 13		
SECURITY DEPOSITS.....	44,693 00		
REPLACEMENT FUND.....	10,125 00		
FIRE AND GENERAL INSURANCE FUND.....	3,457,076 20		
MISCELLANEOUS FUNDS.....	39,139 26	SURPLUS AND DEFICIT ACCOUNT—	
PREPAID CHARGES.....	13,135 75	Deficit as at December 31, 1940.....	2,090,149 80
DEFERRED DEBTS.....	3,945 17	Adjustments in 1941.....	42,430 06
	<u>5,081 23</u>	Net Income Deficit for 1941.....	533,026 00
			2,666,105 86
			<u>\$29,709,632 03</u>

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge at the harbour of Vancouver during the calendar year 1941, with comparisons for 1940:—

Classification	1941 Revenue Passages	1940 Revenue Passages
Passengers in vehicles, and Pedestrians.....	1,937,176	1,571,165
Automobiles (passenger).....	715,856	569,168
Trucks (including buses).....	119,994	103,203
All others.....	1,511	1,940
Total.....	2,774,537	2,245,476

REVENUES AND EXPENDITURES

Operating revenues amounted to \$143,955, as compared with \$117,569 in 1940, an increase of \$26,386. Operating and maintenance expenses were \$55,201, being slightly higher than the figure of \$52,480 reported for 1940.

After charging interest on debt to Vancouver harbour and reserve for replacements, the bridge showed a surplus for the year of \$37,287, as compared with \$13,434 in 1940.

The sum of \$38,370 was applied in reduction of indebtedness incurred for the reconstruction of the bridge, bringing to \$137,723 the amount repaid from earnings. Indebtedness outstanding at December 31, 1941 amounted to \$872,685, of which \$111,075 represented matured instalments.

INCOME STATEMENT FOR THE CALENDAR YEAR 1941

OPERATING REVENUES—	
Bridge Tolls.....	\$ 141,141 29
Sundry Receipts.....	2,813 85
	<u>\$ 143,955 14</u>
OPERATING EXPENSES—	
Administration.....	2,400 00
Operation.....	38,065 24
Maintenance.....	14,735 58
	<u>55,200 82</u>
Operating Income.....	88,754 32
INCOME RECEIVED FROM RESERVE FUNDS.....	1,574 75
MISCELLANEOUS INCOME CREDITS.....	0 54
	<u>1,575 29</u>
Total Income.....	90,329 61
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Income received from Reserve Funds transferred to Reserve.....	1,574 75
INTEREST ON DEBT TO VANCOUVER HARBOUR.....	88,754 86
	<u>45,552 76</u>
OTHER INCOME REQUIREMENTS—	43,202 10
Reserve for Replacements.....	5,915 17
Operating Surplus (Before providing for instalments of principal).....	<u>\$ 37,286 93</u>

Second Narrows Bridge—Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS		LIABILITIES	
FIXED—		CAPITAL—	
Capital Cost Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured Balance..	\$ 761,609 63
Office Furniture and Appliances.....	507 47	CURRENT—	
		Accounts Payable.....	\$ 103 61
		Ticket Liability.....	4,648 97
		Vancouver Harbour—Matured Instalment Un- paid.....	111,075 50
			<u>115,828 08</u>
CURRENT—		RESERVES—	
Cash—On Hand.....	\$ 865 15	Replacement.....	48,996 43
Accounts Receivable.....	239 00		<u>8 83</u>
Accrued Revenue.....	<u>748 33</u>	DEFERRED CREDITS.....	
			<u>926,442 47</u>
		SURPLUS ACCOUNT (Representing Repayment of Principal out of Income)—	
	1,852 48	Balance as at December 31, 1940.....	99,352 66
		<i>Add—</i>	
		Balance 1940 Operating Surplus applied to Repayment of Principal.....	10,901 31
REPLACEMENT FUND.....	48,996 43		<u>110,253 97</u>
		Part 1941 Operating Surplus applied to Repay- ment of Principal.....	27,468 70
PREFPAID CHARGES.....	2,845 49		<u>137,722 67</u>
		Balance 1941 Operating Surplus (not yet applied to Repayment of Principal)...	9,818 23
DEFERRED DEBITS.....	9,373 70		<u>147,540 90</u>
			<u>\$ 1,073,983 37</u>

This Balance Sheet is drawn up so as to reflect the terms of an Agreement dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statements of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1941

REVENUE—

Assessments.....	\$ 124,807 88
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EXPENDITURE—

Salaries.....	\$ 99,117 28
Travelling Expenses.....	2,951 56
Advertising.....	1,771 50
Office Expenses.....	8,616 87
Treasury Office—Salaries and Expenses.....	12,350 67
	<hr/>
	\$ 124,807 88

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1941

ASSETS		LIABILITIES	
FIXED—		CURRENT—	
Office Furniture and Appliances.....	\$ 3,544 40	Accounts Payable.....	\$ 2,373 38
CURRENT—		GENERAL WORKMEN'S COMPENSATION ACCOUNTS—	
Cash—Receiver General of Canada.....	\$ 2,213 38	Accounts Payable.....	\$ 9,816 12
Accounts Receivable.....	160 00	Reserve.....	161,508 82
	<u>2,373 38</u>		<u>171,324 94</u>
			<u>173,698 32</u>
GENERAL WORKMEN'S COMPENSATION ACCOUNTS—		SURPLUS AND DEFICIT ACCOUNT—	
Cash and Securities.....	165,514 13	Surplus as at December 31, 1940.....	3,747 67
Accounts Receivable.....	5,810 81	Deduct—	
	<u>171,324 94</u>	Adjustments in 1941.....	203 27
			<u>3,544 40</u>
			<u>\$ 177,242 72</u>

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Canada. National Harbours Board

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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1942



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1943

Price, 25 cents

944

201 T66
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ANNUAL REPORT
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NATIONAL HARBOURS
BOARD

For Calendar Year

1942



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1943

NATIONAL HARBOURS BOARD

R. K. Smith, K.C.	Chairman.
J. E. St. Laurent	Vice-Chairman.
B. J. Roberts	Member.

F. W. Riddell.....	Executive Secretary.
C. P. Buckley.....	Assistant Secretary.
E. G. Cameron.....	Chief Engineer.
W. C. Perron.....	Traffic Officer.

Halifax.....	R. W. Hendry.....	Port Manager.
Saint John.....	Alex. Gray.....	Port Manager and Chief Engineer.
Chicoutimi.....	L. A. Dussault.....	Port Manager.
Quebec.....	Louis Beaudry.....	Port Manager and Acting Chief Engineer.
Three Rivers.....	J. R. Larivière.....	Port Manager.
Montreal.....	Alex. Ferguson.....	Port Manager.
Prescott.....	G. T. Birch.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	K. J. Burns.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 31, 1943.

To the Honourable J. E. MICHAUD, K.C., M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the seventh annual report of the National Harbours Board, covering the operations for the calendar year 1942, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING AND CARGO TONNAGE

In the aggregate, the volume of traffic in 1942 at harbours administered by the Board was substantially below that of the previous year. The statistics of both vessel and cargo tonnage reflect this change.

Vessel arrivals in 1942 numbered 43,432, the aggregate net registered tonnage being 32,680,820. In 1941, the comparative figures were 47,333 vessels of 38,634,005 net registered tons.

Water-borne cargo, inward and outward, amounted to 22,089,516 tons (W. or M.) in 1942, as compared with 29,902,518 tons in 1941.

Owing to war conditions, explanatory comments on these figures, as well as the publication of traffic statistics of individual harbours, are withheld.

REVENUES AND EXPENDITURES

Operating revenues in 1942 were \$10,416,805, showing a decrease of \$772,624, or 7 per cent from the record earnings of \$11,189,429 reported in 1941. Expenses of administration, operation and maintenance were \$5,219,781 and showed an increase of \$300,492, or 6 per cent over the figure of \$4,919,289 expended in 1941. Operating income for the year was \$5,197,024, as compared with \$6,270,139 in 1941, a decrease of \$1,073,115, or 17 per cent.

After taking into account miscellaneous debits and credits and providing for interest and reserve for replacements, the year's operations resulted in a net income deficit of \$4,547,935, as compared with \$3,514,880 in 1941, a difference of \$1,033,055.

Following the practice adopted in previous reports, separate consolidated income statements are submitted for the seven harbours administered by local commissioners prior to 1936 and for the grain elevators at Prescott and Port Colborne and the harbour of Churchill, which were entrusted to the Board for operation at the beginning of 1937.

The harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver had aggregate operating revenues in 1942 of \$9,867,022. Revenues in 1941 were \$10,739,388. The decrease in 1942 from the previous year was therefore \$872,366, or 8 per cent. Expenses of administration, operation and maintenance in 1942 amounted to \$4,924,933, as compared with \$4,650,727 in 1941, an increase of \$274,206, or 6 per cent. Operating income showed a decline from the previous year of \$1,146,572.

After taking into account miscellaneous income charges and providing for interest and reserve for replacements, a net income deficit of \$4,803,459 was shown in 1942 as compared with \$3,694,848 in 1941.

The following is a comparative income statement for the seven harbours referred to for each of the years 1938 to 1942, inclusive:—

CONSOLIDATED INCOME STATEMENT
(EXCLUDING PRESCOTT, PORT COLBORNE AND CHURCHILL)

—	1942	1941	1940	1939	1938
OPERATING REVENUES.....	\$9,867,022	\$10,739,388	\$10,034,760	\$8,486,475	\$8,742,456
OPERATING AND MAINTENANCE EXPENSES	4,924,933	4,650,727	4,211,597	3,910,164	4,063,709
Operating Income.....	4,942,089	6,088,661	5,823,163	4,576,311	4,678,747
MISCELLANEOUS CREDITS (Net).....	54,050	51,750	105,528	65,891	3,161
Total Income.....	4,888,039	6,036,911	5,717,635	4,510,420	4,681,908
INTEREST DUE PUBLIC.....	1,025,796	1,042,815	1,045,045	1,046,974	1,095,916
	3,862,243	4,994,096	4,672,590	3,463,446	3,585,992
OTHER INCOME REQUIREMENTS					
Reserve for Replacements.....	1,964,301	1,962,227	1,965,252	1,953,640	1,923,348
Interest due Government.....	7,001,401	7,026,717	7,014,175	6,938,835	6,813,177
	8,965,702	8,988,944	8,979,427	8,897,475	8,736,525
Deduct—	5,103,459	3,994,848	4,306,837	5,434,029	5,150,533
Special Contributions to Deficits					
(Bridge—Montreal).....	300,000	300,000	300,000	300,000	300,000
Net Income Deficit.....	\$4,803,459	\$3,694,848	\$4,006,837	\$5,134,029	\$4,850,533

Aggregate revenues of the grain elevators at Prescott and Port Colborne and the harbour of Churchill were \$549,782 in 1942, as compared with \$450,041 in the previous year, showing an increase of \$99,741. Operating expenses were somewhat higher at \$294,848, as against \$268,562 in 1941. The surplus of revenues over expenditures was \$255,524 in 1942, as compared with \$179,969 in 1941, an improvement of \$75,555. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1942, showing also comparative figures for the preceding four years:—

CONSOLIDATED INCOME STATEMENT
PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

—	1942	1941	1940	1939	1938
Operating Revenues.....	\$ 549,782	\$ 450,041	\$ 567,439	\$ 606,665	\$ 402,480
Operating and Maintenance Expenses....	294,848	268,562	295,230	348,658	345,015
	254,934	181,479	272,209	258,007	57,465
Other Debits and Credits (Net).....	590	1,510	2,521	1,729	3,916
Net Income Surplus or Deficit.....	\$ 255,524	\$ 179,969	\$ 269,688	\$ 259,736	\$ 53,549

CAPITAL EXPENDITURES

Capital expenditures in 1942 amounted to \$1,007,580, distributed as follows:—

CAPITAL—

Halifax.....	\$	210,267
Saint John.....		204,938
Chicoutimi.....		146
Quebec.....		24,867
Three Rivers.....		600
Montreal.....		488,243
Vancouver.....		42,338
	\$	971,399

Replacement of Fixed Assets—

Montreal.....	\$	26,181
Vancouver.....		10,000
		36,181
	\$	1,007,580

These expenditures were financed as follows: \$595,153 by advances from the Dominion Treasury on which interest at the rate of $3\frac{1}{2}$ per cent per annum is charged; \$376,246, being for expenditures attributable to the war, by a direct charge to allotments under the War Appropriation Act, without interest; and \$36,181, representing the book value of assets replaced, by withdrawals from the Board's replacement fund.

The book value of fixed assets as at December 31, 1942, was \$224,898,831.

Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

In addition to the sum of \$971,399 referred to above as being required for capital expenditures, an advance of \$96,500 was obtained from the Dominion Treasury to redeem on maturity debentures of the harbour of Saint John held by the public; also an advance of \$379,700 to cover cash deficit resulting from the operation of Jacques Cartier Bridge, Montreal. The total financial assistance in respect of the year's operations was \$1,447,599.

Payments made by the Board to the Dominion Treasury during 1942 totalled \$4,535,829, made up of interest on advances, \$3,000,000; earnings of Port Colborne elevator, \$81,739, and of Prescott elevator, \$131,104; and refund of advances for capital expenditures in previous years, \$1,322,986.

Reserve funds in the form of investments or cash balances on deposit with the Receiver General of Canada had a book value of \$12,618,720 as at December 31, 1942, the net increase during the year being \$1,017,334. These reserves have been set aside from earnings for the replacement of physical assets and for insurance and workmen's compensation funds.

As provided by Section 31 of The National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

AUDIT

The Auditor General of Canada has carried on a continuous audit of the accounts.

The Board records, with regret, the retirement, effective October 1, 1942, of Colonel A. E. Dubuc, D.S.O., Vice-Chairman and Chief Engineer. During a period of over forty years, Col. Dubuc rendered distinguished public service with the Departments of Public Works and Railways and Canals, and the National Harbours Board.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, are appended to this report.

Respectfully submitted,

R. K. SMITH,
Chairman.

J. E. ST. LAURENT,
Vice-Chairman.

B. J. ROBERTS.

F. W. RIDDELL.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—

Harbour General.....	\$ 953,341 36
Wharves and Piers.....	3,557,876 56
Permanent Sheds.....	812,524 64
Shed Hoists.....	32,160 00
Railway System.....	839,109 60
Grain Elevator System.....	2,029,005 11
Cold Storage System.....	626,600 64
Miscellaneous—Outsiders.....	867,245 44
Bridge Tolls and Sundry Receipts.....	698,941 46
	<u>\$10,416,804 81</u>

OPERATING EXPENSES—

Administration.....	629,487 74
Operation and Maintenance—	
Harbour Dredging.....	\$ 263,017 65
Harbour General.....	685,292 82
Vehicular Bridges.....	3,942 05
Roads, Fences and Boundaries.....	57,926 68
Sewers and Drains.....	8,589 77
Wharves and Piers.....	238,747 52
Permanent Sheds.....	375,384 44
Shed Hoists.....	20,736 38
Railway System.....	696,010 02
Grain Elevator System.....	1,029,393 21
Cold Storage System.....	493,034 81
Miscellaneous—Outsiders.....	582,031 79
Bridges.....	136,186 17
	<u>4,590,293 31</u>
Operating Income.....	<u>5,219,781 05</u>
	5,197,023 76

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	508,432 29
MISCELLANEOUS INCOME CREDITS.....	93,869 64
	<u>602,301 93</u>
Total Income.....	<u>5,799,325 69</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	508,432 29
Reserve for Bad Debts.....	10,433 31
Miscellaneous Income Charges.....	21,055 31
Trustees' Fees, Commissions, Bond Discount, etc.....	115,481 79
	<u>655,402 70</u>

Income Available for Interest due Public.....	5,143,922 99
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INTEREST ON DEBT TO THE PUBLIC.....	1,025,796 26
	<u>4,118,126 73</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,798,145 17
Reserve for Depreciation.....	166,156 08
Interest due Dominion Government.....	7,001,760 39
	<u>8,966,061 64</u>
	<u>4,847,934 91</u>

Deduct:

Special Contributions to Deficit (Bridge—Montreal).....	300,000 00
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Net Income <i>Deficit</i>	<u>\$ 4,547,934 91</u>
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NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,268,659 60	
Real Estate.....	12,753,836 24	
Vehicular Bridges.....	300,525 82	
Roads, Fences and Boundaries.....	1,760,538 47	
Sewers and Drains.....	663,600 13	
Miscellaneous Structures.....	752,196 77	
Wharves and Piers.....	88,682,457 45	
Permanent Sheds.....	19,794,713 63	
Shed Hoists and Electric Cranes.....	268,255 40	
Railway System.....	6,987,442 89	
Grain Elevator System.....	41,806,605 37	
Cold Storage System.....	5,721,361 26	
Office Furniture and Appliances.....	139,900 91	
Harbour Buildings.....	730,301 56	
Central Heating Plants.....	156,453 31	
Harbour Shops.....	331,669 37	
Electric Power System.....	1,080,473 08	
Water Supply System.....	729,422 96	
Floating Equipment.....	2,282,456 12	
Shore Equipment.....	785,817 22	
Miscellaneous Small Plant.....	570,543 67	
Engineering—General Surveys.....	606,402 98	
Works under Construction.....	974,091 47	
Sundry Expenditure—Undistributed.....	5,284,660 14	
Bridge Construction and Right-of-Way, etc.....	19,466,445 58	
		\$224,898,831 40

CURRENT—

Cash.....	1,215,242 07	
Accounts Receivable.....	2,159,088 94	
Advances due on Capital Account.....	43,178 94	
Stores on Hand.....	466,329 63	
Accrued Revenue.....	253,012 84	
Other Assets.....	65,816 31	
		4,202,668 73

INVESTMENTS.....	44,693 00	
SECURITY DEPOSITS.....	109,860 61	
REPLACEMENT FUND.....	11,726,089 79	
FIRE AND GENERAL INSURANCE FUND.....	688,060 35	
GENERAL WORKMEN'S COMPENSATION FUND.....	204,569 64	
MISCELLANEOUS FUNDS.....	39,628 87	
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	237,372 66	
PREPAID CHARGES.....	33,552 12	
DEFERRED DEBITS.....	15,065 75	

\$242,200,392 92

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1942

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....	\$ 20,505,082 35	
DOMINION GOVERNMENT ACCOUNT—		
Loans and Advances (Interest Bearing).....	\$ 155,000,479 84	
Expenditure under Appropriations.....	51,023,911 81	
Government Loans Applied for.....	43,173 94	
		206,067,570 59
ACCOUNTS PAYABLE—CONSTRUCTION.....		90,368 86
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		630 04
CURRENT—		
Working Capital Advances.....	95,000 00	
Accounts Payable.....	533,775 61	
Salaries and Wages Payable.....	74,050 52	
Matured Interest Unpaid—		
Due Public.....	26,811 08	
Due Dominion Government.....	55,074,759 45	
Accrued Interest due Public.....	183,359 86	
Contractors' Holdbacks—Maintenance.....	1,447 61	
Unclaimed Wages.....	999 18	
Matured Debentures due Public.....	27,500 00	
Other Current Liabilities.....	4,648 97	
		56,022,352 28
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		109,860 61
RESERVES—		
Replacement.....	12,974,665 01	
Fire and General Insurance.....	688,060 35	
General Workmen's Compensation.....	204,569 64	
Miscellaneous.....	1,876,397 09	
		15,743,692 09
DEFERRED CREDITS.....		284,990 83
		298,824,547 65
SURPLUS AND DEFICIT ACCOUNT—		
Deficit as at December 31, 1941.....	51,806,725 68	
Adjustments in 1942.....	269,494 14	
Net Income Deficit for 1942.....	4,547 934 91	
		56,624,154 73
		\$ 242,200,392 92

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates 7 main piers and wharves having about 16,000 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,100,000 square feet. In addition, the Board manages a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,075,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$106,895. The major items were repairs to deck and substructure of piers 3 and 4, Deep Water terminals, re-decking the lighterage wharf at the fish pier, repairs to the marine leg, repairs to deck slab at the fish landing building and regular maintenance of wharves, sheds, cold storage warehouse, elevator, roadways and auxiliary facilities.

CAPITAL WORKS

During the year expenditures on capital account amounted to \$210,267. Of this amount, \$20,508 related to ordinary harbour installations, financed from interest-bearing advances to the Board, and \$189,759 related to works authorized under and chargeable to War Appropriation. The following constituted the principal items:—

Timber Ramp at Shed 22.—In July, 1942, an arrangement was made with the Canadian National Railways for the construction by the Company's bridge and building branch of a creosoted timber ramp from ground level to the second floor of Shed 22. The work was fully completed during the year.

Longshoremen's Rest Room, Pier 9, Second Extension.—A contract was awarded in August, 1942, for the construction of a building at Pier 9, Second Extension, for use as a longshoremen's rest room. The work was 95 per cent completed at the end of the year.

Cold Storage Terminal.—To increase the capacity for icing refrigerator cars, a 220-ft. extension to the icing platform was constructed by the Board's forces. Construction of a building for storage and handling of salt for refrigerator cars was also commenced. This work was not completed at the end of the year. Four lift trucks were purchased.

War Appropriation Works

Pier 9, Second Extension.—Work on the contract for the construction of a 1,250-ft. extension to pier 9, Richmond terminals, in timber and concrete which was commenced during 1941 was completed during 1942.

Lighterage Wharf at Fish Pier.—The construction of a timber pile lighterage wharf at the Fish pier, on which a small amount of work remained to be done at the close of 1941, was completed early in 1942.

Piers for Ship Repairs.—In addition to the above, work was completed early in 1942 on mooring piers for ship repairs and jetty at Dartmouth Cove for the same purpose, which works were undertaken in 1941 for, and at the expense of the Department of Munitions and Supply.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,832,318, as compared with \$1,593,479 in 1941, the increase being \$238,839. Operating and maintenance expenses showed an increase of \$86,069 over the previous year, the comparable figures being \$889,121 for 1942 and \$803,052 for 1941.

After charging interest due the Government and reserve for replacements, the year's operations resulted in a net income surplus of \$232,437, as compared with \$53,631 in 1941.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—	
Harbour General.....	\$ 103,960 48
Wharves and Piers.....	965,335 87
Permanent Sheds.....	120,292 46
Grain Elevator System.....	212,772 88
Cold Storage System.....	262,739 64
Miscellaneous—Outsiders.....	167,217 01
	<u>\$ 1,832,318 34</u>
OPERATING EXPENSES—	
Administration.....	75,693 85
Operation and Maintenance—	
Harbour General.....	\$ 122,334 74
Roads, Fences and Boundaries.....	2,720 63
Sewers and Drains.....	181 80
Wharves and Piers.....	47,809 77
Permanent Sheds.....	136,630 29
Grain Elevator System.....	221,932 65
Cold Storage System.....	170,077 93
Miscellaneous—Outsiders.....	111,738 96
	<u>813,426 77</u>
	889,120 62
Operating Income.....	<u>943,197 72</u>
INCOME RECEIVED FROM RESERVE FUNDS.....	44,511 07
MISCELLANEOUS INCOME CREDITS.....	67,820 64
	<u>112,331 71</u>
Total Income.....	<u>1,055,529 43</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Income Received from Reserve Funds transferred to Reserves.....	44,511 07
Reserve for Bad Debts.....	494 65
Miscellaneous Income Charges.....	210 47
	<u>45,216 19</u>
	1,010,313 24
OTHER INCOME REQUIREMENTS—	
Reserve for Replacements.....	200,000 00
Interest due Dominion Government.....	577,876 33
	<u>777,876 33</u>
Net Income Surplus.....	<u>\$ 232,436 91</u>

Harbour of Halifax BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	160,815 06	Loans and Advances (Interest bearing).....	\$12,454,752 24
Real Estate.....	532,701 91	Expenditure under Appropriations.....	15,597,424 46
Roads, Fences and Boundaries.....	238,737 01	Government Loans Applied for—Contra.....	7,460 22
Sewers and Drains.....	60,611 27		\$28,059,636 92
Miscellaneous Structures.....	28,387 08		
Wharves and Piers.....	16,131,714 27		
Permanent Sheds.....	5,003,097 73		
Grain Elevator System.....	2,333,719 25		
Cold Storage System.....	1,921,787 96		
Office Furniture and Appliances.....	28,005 73		
Central Heating Plants.....	65,316 59		
Electric Power System.....	8,409 40		
Water Supply System.....	99,339 32		
Floating Equipment.....	50,116 55		
Shore Equipment.....	53,337 77		
Miscellaneous Small Plant.....	67,051 04		
Engineering—General Surveys.....	475,501 67		
Works under Construction.....	774,246 41		
	\$28,032,896 02		
CURRENT—		ACCOUNTS PAYABLE—CONSTRUCTION.....	
Cash—Receiver General of Canada.....	\$ 163,118 90		12,526 37
Cash—On Hand.....	2,093 22		630 04
Accounts Receivable.....	165,212 12		
Less—Reserve for Bad Debts.....	246,564 07		
	806 85		
Advances due on Capital Account.....	245,757 22		
Stores on Hand.....	7,460 22		
Accrued Revenue.....	30,157 13		
Other Assets.....	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
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	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
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	245,757 22		
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	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		
	30,157 13		
	20,109 18		
	2,054 52		
	470,750 39		
	42,663 00		
	1,355,355 45		
	65,818 30		
	245,757 22		

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 20 deep water wharves having some 12,700 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water and 16 transit sheds, including 2 frost-proof sheds, with an aggregate floor space of about 745,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to 9 of the berths by over 2 miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. A 45-ton fixed derrick is available at berth 1, Navy Island; 15-ton and 30-ton floating cranes are also available together with scows for lighterage.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$99,596. The larger items were dredging berths 5A and 5B to a minimum depth of 20 feet and 10 feet, respectively, at extreme low tide; the reconstruction of the wooden platform at the rear of McLeod shed; the reconstruction of a portion of Pettingill shed floor; the resurfacing of the Digby shed floor and the painting of a portion of the grain galleries.

CAPITAL WORKS

During 1942 expenditures on capital account amounted to \$204,938. Of this amount, \$157,935 related to ordinary harbour installations, financed from interest-bearing advances to the Board, and \$47,003 related to works authorized under and chargeable to War Appropriation. The following were the principal items:—

Construction of Concrete Shed at Berth 8.—A contract was awarded in September, 1942, for the construction of a reinforced concrete shed, 555 feet by 90 feet, with a triangular annex, 170 feet by 275 feet. At the end of the year the work was approximately 60 per cent completed.

Extension to Water Mains.—By arrangement, the City of Saint John installed 1,300 feet of 10-inch and 800 feet of 8-inch water mains to provide more adequate fire protection to the wharves and sheds on the west side of the harbour. The work was practically completed during the year.

Minor Works.—These included completion of construction of platform at shed 11; installation of additional plug receptacles at all wharves to improve the facilities for lighting ships; installation of underground power feeder to sheds 8, 9, 10 and 11; provision of additional fire hose for waterfront fire protection; and construction of a small rest room in the elevator shipping house for accommodation of workmen.

War Appropriation Works

Construction of a Timber Pile Wharf at Berth 4.—The construction of a timber pile wharf, 900 feet long by 60 feet wide, which was placed under contract in 1941 and 90 per cent completed in that year, was finished early in 1942.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,133,509, as compared with \$776,066 in 1941, the increase being \$357,443. Operating and maintenance expenses were \$319,115, being \$54,144 greater than in 1941 when such expenditures amounted to \$264,971.

After taking into account income debits and credits, paying interest on debt to the public of \$67,084 and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$243,040 as against a deficit, in 1941, of \$547,116.

REDEMPTION OF DEBENTURES

Debenture indebtedness to the public, in the amount of \$96,500, was paid off during the year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—			
Harbour General.....	\$	34,829 12	
Wharves and Piers.....		906,319 27	
Permanent Sheds.....		27,656 88	
Shed Hoists (Crane).....		5,461 00	
Railway System.....		680 00	
Grain Elevator System.....		69,140 34	
Miscellaneous—Outsiders.....		89,422 87	
			\$ 1,133,509 48
OPERATING EXPENSES—			
Administration.....		35,189 51	
Operation and Maintenance—			
Harbour Dredging.....	\$	50,000 00	
Harbour General.....		62,355 22	
Vehicular Bridges.....		437 65	
Roads, Fences and Boundaries.....		3,373 92	
Sewers and Drains.....		326 00	
Wharves and Piers.....		25,871 39	
Permanent Sheds.....		71,907 70	
Shed Hoists (Crane).....		1,025 63	
Grain Elevator System.....		10,563 20	
Miscellaneous—Outsiders.....		58,064 37	
		283,925 08	
			319,114 59
Operating Income.....			814,394 89
INCOME RECEIVED FROM RESERVE FUNDS.....			
		46,080 39	
MISCELLANEOUS INCOME CREDITS.....			
		41 93	
			46,122 32
Total Income.....			860,517 21
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Income Received from Reserve Funds transferred to Reserves.....		46,080 39	
Reserve for Bad Debts.....		359 71	
Miscellaneous Income Charges.....		2,319 67	
			48,759 77
Income Available for Interest due Public.....			811,757 44
INTEREST ON DEBT TO THE PUBLIC.....			
			67,084 26
			744,673 18
OTHER INCOME REQUIREMENTS—			
Reserve for Replacements.....		200,000 00	
Interest due Dominion Government.....		787,712 70	
			987,712 70
Net Income Deficit.....	\$	243,039 52	

Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS

FIXED—	
Harbour Dredging.....	\$ 955,090 54
Real Estate.....	1,738,867 14
Vehicular Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,969 66
Wharves and Piers.....	14,600,432 80
Permanent Sheds.....	2,248,676 46
Shed Hoists and Electric Cranes.....	19,282 52
Railway System.....	192,600 57
Grain Elevator System.....	3,989,004 33
Office Furniture and Appliances.....	7,370 56
Harbour Buildings.....	29,409 57
Central Heating Plants.....	65,256 80
Floating Equipment.....	47,807 80
Shore Equipment.....	23,337 84
Miscellaneous Small Plant.....	6,389 83
Works under Construction.....	149,463 50
	<u>\$24,274,247 29</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 164,508 44
Cash—On Hand.....	200 00
	<u>164,708 44</u>
Accounts Receivable.....	73,090 10
Less—Reserve for Bad Debts.....	402 26
	<u>72,687 84</u>
Advances due on Capital Account.....	10,573 08
Stores on Hand.....	23,643 13
Accrued Revenue.....	27,138 83
	<u>298,751 32</u>

SECURITY DEPOSITS.....	1,500 00
REPLACEMENT FUND.....	1,497,738 83
FIRE AND GENERAL INSURANCE FUND.....	77,176 28
PREPAID CHARGES.....	6 00
DEFERRED DEBITS.....	97 53
	<u>\$26,149,507 25</u>

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$ 1,346,682 35
DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$16,485,336 74
Expenditure under Appropriations.....	6,674,271 63
Government Loans Applied for—Contra.....	10,573 08
	<u>23,170,181 45</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	50,764 61
CURRENT—	
Accounts Payable.....	22,038 84
Matured Interest Unpaid—	
Due Public.....	\$ 1,913 33
Due Dominion Government... 6,912,501 94	
	<u>6,914,415 27</u>
Accrued Interest due Public.....	20,693 94
Contractors' Holdbacks—Maintenance.....	1,300 00
Unclaimed Wages.....	3 75
Matured Debentures due Public.....	13,000 00
	<u>6,971,451 80</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	1,500 00
RESERVES—	
Replacement.....	1,497,738 83
Fire and General Insurance.....	77,176 28
Harbour Dredging Maintenance.....	33,175 79
	<u>1,608,080 90</u>
DEFERRED CREDITS.....	12,487 59
	<u>33,161,148 70</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1941.....	6,768,601 93
Net Income Deficit for 1942.....	243,039 52
	<u>7,011,641 45</u>
	<u>\$26,149,507 25</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 120 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 30 feet draft, a concrete fireproof shed, 400 feet by 60 feet, a frame shed, 150 feet by 40 feet, and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

MAINTENANCE AND CAPITAL WORKS

During the year ordinary maintenance and repairs were carried out at a cost of \$5,674. The principal items were repairs to wharves and railway trackage. A capital expenditure of \$146 was made on shed 2.

REVENUES AND EXPENDITURES

Operating revenues totalled \$30,067 and operating and maintenance expenses amounted to \$16,887, both showing practically no change from the previous year.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$204,790, as compared with a deficit of \$203,338 in 1941.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—			
Harbour General.....	\$	749 31	
Wharves and Piers.....		24,163 09	
Permanent Sheds.....		4,350 01	
Miscellaneous—Outsiders.....		804 90	
		<u>\$</u>	30,067 31
OPERATING EXPENSES—			
Administration.....		5,963 60	
Operation and Maintenance—			
Harbour General.....	\$	2,570 77	
Roads, Fences and Boundaries.....		222 13	
Wharves and Piers.....		4,298 38	
Permanent Sheds.....		1,517 81	
Railway System.....		2,155 65	
Miscellaneous—Outsiders.....		158 93	
		<u>10,923 72</u>	16,887 32
Operating Income.....			<u>13,179 99</u>
INCOME RECEIVED FROM RESERVE FUNDS.....		1,174 03	
MISCELLANEOUS INCOME CREDITS.....		1 43	
		<u>1,175 46</u>	
Total Income.....			<u>14,355 45</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Income Received from Reserve Funds transferred to Reserves.....		1,174 03	
Reserve for Bad Debts.....		2 23	
Miscellaneous Income Charges.....		564 35	
		<u>1,740 61</u>	12,614 84
OTHER INCOME REQUIREMENTS—			
Reserve for Replacements.....		30,000 00	
Interest due Dominion Government.....		187,404 61	
		<u>217,404 61</u>	
Net Income Deficit.....	\$		<u>204,789 77</u>

Harbour of Chicoutimi BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS

FIXED—	
Harbour Dredging.....	\$ 467,172 01
Real Estate.....	35,625 67
Roads, Fences and Boundaries.....	115,905 96
Sewers and Drains.....	165,633 09
Wharves and Piers.....	3,288,329 54
Permanent Sheds.....	124,083 29
Railway System.....	38,509 51
Office Furniture and Appliances.....	3,862 42
Electric Power System.....	3,915 37
Water Supply System.....	16,815 64
Floating Equipment.....	28,860 62
Shore Equipment.....	617 40
Miscellaneous Small Plant.....	1,124 19
Engineering—General Surveys.....	18,375 66
	<u>\$ 4,308,940 37</u>

CURRENT—

Cash—Receiver General of Canada. \$	12,237 47
Cash—On Hand.....	242 66
Accounts Receivable.....	12,480 13
Advance due on Capital Account.....	1,963 48
Stores on Hand.....	145 98
	<u>1,189 14</u>
	15,778 73

REPLACEMENT FUND.....

51,386 95

FIRE AND GENERAL INSURANCE FUND.....

5,512 56

PREPAID CHARGES.....

611 51

\$ 4,382,230 12

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$ 3,837,914 28
Expenditure under Appropriations.....	485,398 32
Government Loans Applied for—Contra.....	145 98
	<u>\$ 4,323,453 58</u>
CURRENT—	
Accounts Payable.....	172 60
Matured Interest due Dominion Government...	1,976,863 40
Unclaimed Wages.....	22 30
	<u>1,977,058 30</u>
RESERVES—	
Replacement.....	211,386 95
Fire and General Insurance.....	5,512 56
	<u>216,899 51</u>
DEFERRED CREDITS.....	
	1,339 77
	<u>6,518,756 16</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1941.....	1,930,862 97
Adjustments in 1941.....	873 30
Net Income Deficit for 1942.....	204,789 77
	<u>2,136,526 04</u>
	<u>\$ 4,382,230 12</u>

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 32 miles of standard gauge terminal railway, connected with both Canadian railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also, a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 75 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$325,358, including \$176,492 expended for maintenance dredging at the St. Charles river estuary. The principal items, in addition to the dredging, were repairs to brickwork at the cold storage warehouse; replacing metal siding on part of the grain shipping galleries; caulking masonry joints at Princess Louise inner basin; repairs to Pointe-a-Carcy wharf; railway track repairs; roof repairs to shed 20 and the machine shop; and repairs to the floating crane.

CAPITAL WORKS

Expenditures on capital account in 1942 amounted to \$24,867, including \$21,404 provided from War Appropriation funds, as follows:—

Floating Crane.—Under contract with Dominion Bridge Co., Ltd., structural alterations and improvements were made to the floating crane to increase its lifting capacity from 56 to 75 tons. The funds were provided from War Appropriation, through the Department of Munitions and Supply, as the change was made on account of services required in connection with its shipbuilding program.

Locomotive Cranes.—In order to extend the operating radius of two locomotive cranes their 40-foot booms were replaced by 60-foot booms.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$620,030, as compared with \$710,867 in 1941, a decrease of \$90,837. Operating and maintenance expenses were \$760,012, as against \$583,546 in 1941, the increase of \$176,466 being due to the extraordinary expenditure on dredging referred to above under the heading of maintenance. On the year's operations there was a deficit, before capital charges, of \$132,980. This was met from cash balances built up from operating surpluses of the previous two years.

Net income deficit, after all charges, including interest and reserve for replacements, was \$1,561,532, the corresponding figure for the preceding year being \$1,301,502.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—

Harbour General.....	\$ 26,408 69	
Wharves and Piers.....	152,323 68	
Permanent Sheds.....	81,736 46	
Railway Ssystem.....	69,231 99	
Grain Elevator System.....	155,755 74	
Cold Storage System.....	71,830 10	
Miscellaneous—Outsiders.....	62,693 32	
	<hr/>	\$ 620,029 98

OPERATING EXPENSES—

Administration.....		78,612 68	
Operation and Maintenance—			
Harbour Dredging.....	\$ 176,697 81		
Harbour General.....	88,470 14		
Vehicular Bridges.....	3,504 40		
Roads, Fences and Boundaries.....	8,817 42		
Sewers and Drains.....	547 18		
Wharves and Piers.....	33,897 98		
Permanent Sheds.....	27,029 33		
Railway System.....	96,335 48		
Grain Elevator System.....	111,521 84		
Cold Storage System.....	88,951 71		
Miscellaneous—Outsiders.....	45,626 36		
	<hr/>	681,399 65	
		<hr/>	760,012 33
Operating Deficit.....			<hr/> 139,982 35

INCOME RECEIVED FROM RESERVE FUNDS..... 10,210 98

MISCELLANEOUS INCOME CREDITS..... 10,121 55

20,332 53

119,649 82

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves..... 10,210 98

Miscellaneous Income Charges..... 3,119 27

13,330 25

132,980 07

OTHER INCOME REQUIREMENTS—

Reserve for Replacements..... 200,000 00

Interest due Dominion Government..... 1,228,552 15

1,428,552 15

Net Income Deficit..... \$ 1,561,532 22

Harbour of Quebec

BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS

FIXED—	
Harbour Dredging.....	\$ 3,940,865 55
Real Estate.....	290,482 99
Vehicular Bridges.....	172,237 25
Roads, Fences and Boundaries.....	129,167 35
Sewers and Drains.....	293,022 25
Miscellaneous Structures.....	134,603 77
Wharves and Piers.....	13,170,161 24
Permanent Sheds.....	3,275,963 63
Shed Hoists.....	12,000 00
Railway System.....	869,140 35
Grain Elevator System.....	3,741,773 42
Cold Storage System.....	718,945 44
Office Furniture and Appliances.....	15,709 74
Harbour Buildings.....	196,735 26
Central Heating Plants.....	11,300 46
Harbour Shops.....	33,373 22
Electric Power System.....	57,500 89
Water Supply System.....	30,479 15
Floating Equipment.....	106,797 30
Shore Equipment.....	64,250 83
Miscellaneous Small Plant.....	8,996 61
Sundry Expenditure (Undistributed).....	1,621,453 70
	<u>\$28,894,960 40</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 40,000 86
Cash—On Hand.....	193 97

Accounts Receivable.....	88,279 65
Less—Reserve for Bad Debts.....	1,005 31
Advances due on Capital Account.....	
Stores on Hand.....	38,340 85
Accrued Revenue.....	39,305 37
Other Assets.....	4,084 92

209,576 80	
250 00	
98,024 29	
64,172 95	
4,422 78	
200 00	
	<u>\$29,271,607 22</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$27,780,708 24
Expenditure under Appropriations.....	2,592,677 67
Government Loans Applied For—Contra.....	286 49
	<u>\$30,373,672 40</u>
CURRENT—	
Accounts Payable.....	30,077 33
Salaries and Wages Payable.....	9,356 39
Matured Interest due Dominion Government.....	25,835,952 71
Unclaimed Wages.....	15 62
	<u>25,875,402 05</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	250 00
RESERVES—	
Replacement.....	1,408,024 29
Fire and General Insurance.....	64,172 95
	<u>1,472,197 24</u>
DEFERRED CREDITS.....	5,737 08
	<u>57,727,259 37</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1941.....	26,892,042 69
Adjustments in 1942.....	2,077 24
Net Income Deficit for 1942.....	1,561,532 22
	<u>28,455,652 15</u>
	<u>\$29,271,607 22</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include 3 main wharves having some 7,400 linear feet of berthing with a minimum water depth of 30 feet alongside and 9 transit sheds with a total floor area of about 192,000 square feet.

MAINTENANCE AND CAPITAL WORKS

During the year ordinary maintenance and repairs were carried out at a total cost of \$4,584, including pavement resurfacing, repairs to water pipe line, numbering berths and sheds, removal of steel plates from the face of Bureau wharf and completion of survey of harbour boundaries. Expenditure on capital account amounted to \$600, for the installation of two fire alarm boxes.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$185,738, as compared with \$243,911 in 1941, a decrease of \$58,173. Operating and maintenance expenses were \$22,603, as against \$38,930 in 1941, a decrease of \$16,327.

After payment of interest on debt to the public and charging reserve for replacements and interest due the Dominion Government, there was a net income deficit of \$94,030, the corresponding deficit in 1941 being \$52,049.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—		
Harbour General.....	\$ 7,800 12	
Wharves and Piers.....	125,517 98	
Permanent Sheds.....	50,860 75	
Miscellaneous—Outsiders.....	1,559 61	
	<u>\$</u>	185,738 46
OPERATING EXPENSES—		
Administration.....	13,581 40	
Operation and Maintenance—		
Harbour Dredging.....	\$ 42 00	
Harbour General.....	2,313 91	
Roads, Fences and Boundaries.....	2,802 59	
Wharves and Piers.....	1,054 88	
Permanent Sheds.....	2,260 14	
Railway System.....	286 35	
Miscellaneous—Outsiders.....	261 83	
	<u>9,021 70</u>	22,603 10
Operating Income.....		163,135 36
INCOME RECEIVED FROM RESERVE FUNDS.....	24,163 81	
MISCELLANEOUS INCOME CREDITS.....	1 07	
	<u>24,164 88</u>	
Total Income.....		187,300 24
MISCELLANEOUS DEDUCTIONS FROM INCOME—		
Income Received from Reserve Funds transferred to Reserves.....	24,163 81	
Reserve for Bad Debts.....	200 00	
Miscellaneous Income Charges.....	178 60	
	<u>24,542 41</u>	
Income Available for Interest due Public.....		162,757 83
INTEREST ON DEBT TO THE PUBLIC.....		8,712 00
		<u>154,045 83</u>
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....	70,000 00	
Interest due Dominion Government.....	178,075 43	
	<u>248,075 43</u>	
Net Income Deficit.....	<u>\$</u>	<u>94,029 60</u>

Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS		LIABILITIES	
Fixed—		DEBTURE INDEBTEDNESS TO PUBLIC.....	\$ 158,400 00
Real Estate.....	\$ 1,204,777 00	DOMINION GOVERNMENT ACCOUNT—	
Roads, Fences and Boundaries.....	60,384 26	Loans and Advances (Interest bearing).....	\$ 3,821,008 72
Wharves and Piers.....	5,780,047 59	Expenditure under Appropriations.....	590,857 27
Permanent Sheds.....	797,702 07	Accounts Payable—Construction.....	4,411,865 99
Railway System.....	26,611 43		126 39
Office Furniture and Appliances.....	1,867 23		
Electric Power System.....	11,512 44		
Water Supply System.....	10,894 44		
Miscellaneous—Small Plant.....	377 52		
Works under Construction.....	600 00	CURRENT—	
	\$ 7,894,773 98	Accounts Payable.....	4,102 76
		Matured Interest Unpaid—	
		Due Public.....	\$ 35 75
		Due Dominion Government.....	1,201,634 68
		Accrued Interest due Public.....	1,201,670 43
		Unclaimed Wages.....	4,332 58
			0 75
			1,210,196 52
CURRENT—			
Cash—Receiver General of Canada.....	\$ 88,918 51		
Cash—On Hand.....	456 75		
Cash in Bank—Coupon Account.....	35 75		
	89,411 01		
Accounts Receivable.....	3,030 88		
Less—Reserve for Bad Debts.....	1,200 00		
	1,830 88		
Stores on Hand.....	932 24		
	92,174 13		
		RESERVES—	
		Replacement.....	551,741 12
		Fire and General Insurance.....	18,509 36
			570,250 48
		DEFERRED CREDITS.....	26,288 63
			6,377,128 01
REPLACEMENT FUND.....	551,741 12		
FIRE AND GENERAL INSURANCE FUND.....	18,509 36	SURPLUS AND DEFICIT ACCOUNT—	
		Surplus as at December 31, 1941.....	2,276,282 94
PREPAID CHARGES.....	19 70	Deduct—	
DEFERRED DEBTS.....	2,163 06	Net Income Deficit for 1942.....	94,029 60
	\$ 8,559,381 35		2,182,253 34
			\$ 8,559,381 35

HARBOUR OF MONTREAL

The harbour of Montreal is situated on the St. Lawrence river approximately 1,000 miles inland from the Atlantic coast, and is reached by ocean shipping through a dredged channel having a minimum depth of $32\frac{1}{2}$ feet, now being completed to 35 feet. It is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 105 berths, totalling over 10 miles of berthing accommodation; 26 transit sheds with an aggregate floor area of over 2,063,000 square feet; also 4 grain elevators with a total storage capacity of over 15,000,000 bushels and $3\frac{1}{2}$ miles of grain conveyor galleries; and a cold storage warehouse with a capacity of 4,628,000 cubic feet. A 75-ton capacity floating crane and 12 locomotive cranes are available.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During 1942 ordinary maintenance and repairs were carried out at a total cost of \$513,770, excluding maintenance on Jacques Cartier bridge on which \$24,065 was expended. The larger items were repairs to piers 2 and 3; repairs to wharves at Sections 40 and 42; resurfacing the lower floor of shed 4; repairs to bin bottoms at elevator B; reconstruction of shipway cradle at Guard pier; and all rolling stock, electrical, mechanical and floating equipment were maintained in good operating condition.

CAPITAL WORKS

During the year total expenditures on capital and replacement works amounted to \$514,424, of which \$118,080 was chargeable to War Appropriation. Principal items were as follows:—

Changing Harbour Railway from Electric to Steam Operation.—During 1941 the work of changing the harbour railway from an electric to a steam system was commenced. This was completed in 1942, all work being done by the Board's forces.

Reconstruction of Subways at Sections 45-46.—In 1941 preliminary work was done in connection with the reconstruction with steel sheet piling of two subways at Sections 45-46. The work, which was done by the Board's forces, was completed in 1942.

Strengthening of Canadian Vickers Wharf at Sections 54-56.—A contract was awarded in February, 1942, for strengthening by means of anchor rods the wharf on the north side of the Canadian Vickers Dry Dock basin at Sections 54-56. All work was completed during the year.

Construction of Offices at Sheds 13 and 15.—Enlarged and improved offices, garage, gear room, an enclosure for special cargoes, lavatories and a heating plant were provided in sheds 13 and 15. The work was completed in 1942 by the Board's forces.

Construction of Flat Scows.—Materials for the construction of three flat scows, 100 feet long by 30 feet wide and 9 feet deep, were purchased and the work of construction was commenced by the Board's forces during the year.

Minor Works.—These included installation of additional railway trackage; construction of small office building at Section 29; provision of dressing room accommodation for locomotive crews at harbour yard; installation of safety gates for shed hoists and provision of additional hose reels and housings for same for fire protection.

A strip of land at Section 38, upon which the harbour railway encroached, was purchased; also two automobiles and one truck to replace old equipment.

War Appropriation Works

Closing Gap and Backfilling at Section 56.—In June, 1942, a contract was awarded for closing a 52-foot gap between the Canadian Vickers wharf and the wharf immediately downstream with reinforced concrete cylinders, the construction of a sewer and the filling of the bed of Molson's creek. This work was completed in 1942.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$3,797,440, as compared with \$5,174,415 in 1941, a decrease of \$1,376,975. Operating and maintenance expenses decreased from \$2,214,748 in 1941 to \$2,167,596 in 1942, a difference of \$47,152.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$1,734,429, as compared with \$432,757 in 1941.

The foregoing figures are exclusive of the operations of Jacques Cartier bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—

Harbour General.....	\$ 24,963 80	
Wharves and Piers.....	1,248,795 72	
Permanent Sheds.....	357,030 63	
Shed Hoists.....	26,699 00	
Railway System.....	503,028 89	
Grain Elevator System.....	910,205 26	
Cold Storage System.....	262,396 47	
Miscellaneous—Outsiders.....	464,320 57	
	<hr/>	\$ 3,797,440 34

OPERATING EXPENSES—

Administration.....	259,769 35	
Operation and Maintenance—		
Harbour Dredging.....	\$ 35,279 10	
Harbour General.....	245,113 37	
Roads, Fences and Boundaries.....	39,341 10	
Sewers and Drains.....	7,534 79	
Wharves and Piers.....	63,318 85	
Permanent Sheds.....	59,491 74	
Shed Hoists.....	19,166 69	
Railway System.....	428,255 06	
Grain Elevator System.....	501,923 43	
Cold Storage System.....	212,935 19	
Miscellaneous—Outsiders.....	295,467 66	
	<hr/>	1,907,826 98
		<hr/>
Operating Income.....		2,167,596 33
		<hr/>
		1,629,844 01

INCOME RECEIVED FROM RESERVE FUNDS..... 190,530 88

MISCELLANEOUS INCOME CREDITS..... 10,154 64

200.685 52

Total Income..... 1,830,529 53

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	190,530 88	
Miscellaneous Income Charges.....	11,142 43	
	<hr/>	201,673 31
		<hr/>
		1,628,856 22

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	799,630 00	
Interest due Dominion Government.....	2,563,655 64	
	<hr/>	3,363,285 64
Net Income <i>Deficit</i>		<u><u>\$ 1,734,429.42</u></u>

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1942

(Excluding Jacques Cartier Bridge)

ASSETS

FIXED—	
Harbour Dredging.....	\$ 5,564,416 49
Real Estate.....	2,210,612 79
Roads, Fences and Boundaries.....	780,882 46
Sewers and Drains.....	144,313 52
Miscellaneous Structures.....	397,034 60
Wharves and Piers.....	24,921,308 11
Permanent Sheds.....	6,707,238 75
Shed Hoists.....	236,972 88
Railway System.....	4,081,014 18
Grain Elevator System.....	15,700,958 22
Cold Storage System.....	3,011,944 98
Office Furniture and Appliances.....	37,634 88
Harbour Buildings.....	292,694 79
Central Heating Plants.....	14,579 46
Harbour Shops.....	284,996 44
Electric Power System.....	979,643 64
Water Supply System.....	163,997 31
Floating Equipment.....	770,650 14
Shore Equipment.....	395,231 72
Works under Construction.....	49,781 56
	<u>\$66,745,907 01</u>

CURRENT—

Cash—Receiver General of Canada.....	\$ 326,353 11
Cash—On Hand.....	927 43
	<u>327,285 54</u>
Accounts Receivable.....	627,897 97
Less—Reserve for Bad Debts.....	2,629 25
	<u>625,268 72</u>
Advances due on Capital Account.....	24,713 17
Stores on Hand.....	240,776 30
Accrued Revenue.....	75,113 46
Other Assets.....	38,590 70
	<u>1,331,747 89</u>

SECURITY DEPOSITS.....	55,447 61
REPLACEMENT FUND.....	3,792,754 03
FIRE AND GENERAL INSURANCE FUND.....	410,452 51
PREPAID CHARGES.....	14,927 92
DEFERRED DEBTS.....	371 85
	<u>\$72,351,608 82</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$60,298,786 20
Expenditure under Appropriations.....	4,574,159 91
Government Loans Applied for—Contra.....	24,713 17
	<u>\$64,897,659 28</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	
	26,951 49
CURRENT—	
Accounts Payable.....	61,177 85
Salaries and Wages Payable.....	38,454 99
Matured Interest due Dominion Government.....	9,763,095 10
Unclaimed Wages.....	426 14
	<u>9,863,154 08</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	
	55,447 61
RESERVES—	
Replacement.....	3,571,329 25
Fire and General Insurance.....	410,452 51
	<u>3,981,781 76</u>
DEFERRED CREDITS.....	
	95,037 93
	<u>78,920,032 15</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1941.....	4,839,465 63
Net Income Deficit for 1942.....	1,734,429 42
	<u>6,573,895 05</u>
Deduct—	
Adjustments in 1942.....	5,471 72
	<u>6,568,423 93</u>
	<u>\$72,351,608 82</u>

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge at the harbour of Montreal during the calendar year 1942, with comparisons for 1941:—

Classification	1942 Revenue Passages	1941 Revenue Passages
Passengers in vehicles.....	7,381,138	6,589,050
Automobiles (passenger).....	1,739,515	2,151,415
Trucks.....	372,489	411,870
Buses.....	43,146	38,951
All others.....	12,042	14,923
Total.....	9,548,330	9,206,209

REVENUES AND EXPENDITURES

Consequent upon a reduction in the number of vehicles passing over the bridge, revenues declined from \$589,768 in 1941 to \$537,406 in 1942, a difference of \$52,362. Operating and maintenance expenses were slightly lower, at \$102,903 in 1942, as compared with \$105,870 in the previous year.

After making provision for interest on bonds, reserves for depreciation and replacements, and other charges against income, there was a net income deficit of \$1,083,519, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and City of Montreal. The corresponding net income deficit in 1941 was \$1,015,977.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUE—

Bridge Tolls Collected.....	\$ 522,891 60	
Sundry Receipts.....	14,514 37	
	<u> </u>	\$ 537,405 97

OPERATING EXPENSES—

Administration.....	22,510 26	
Operation.....	56,328 64	
Maintenance.....	24,064 34	
	<u> </u>	102,903 24
Operating Income.....		434,502 73

INCOME RECEIVED FROM RESERVE FUNDS..... 17,557 26

MISCELLANEOUS INCOME CREDITS.....	213 34	
	<u> </u>	17,770 60
Total Income.....		452,273 33

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	17,557 26	
Reserve for Bad Debts.....	4 57	
Trustees' Fees, Commissions, etc.....	106,635 63	
Bond Discount.....	8,846 16	
	<u> </u>	133,043 62
Income Available for Interest due Public.....		319,229 71

INTEREST ON DEBT TO THE PUBLIC.....		950,000 00
		<u> </u>
		630,770 29

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	42,600 00	
Reserve for Depreciation.....	166,156 08	
Interest due Dominion Government.....	243,992 65	
	<u> </u>	452,748 73
		<u> </u>
		1,083,519 02

Deduct—

Proportion of Deficit Payable by:

Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
	<u> </u>	300,000 00

Net Income <i>Deficit</i>	\$ 783,519 02
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PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with a storage capacity of 5,500,000 bushels with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

MAINTENANCE

During 1942, ordinary maintenance and repairs were carried out at a total cost of \$17,346. The major items were repairs to wharves, electrical equipment, lofters, conveyors, drying equipment and railway trackage.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$233,719, as compared with \$215,606 in 1941, the increase being \$18,113. Operating and maintenance expenditures were \$82,400, as against \$86,126 in the previous year, a decrease of \$3,726.

Net income surplus in 1942 was \$150,356, as against \$131,105 in the previous year, the increase being \$19,251. No charge for interest or depreciation is made in the accounts of this elevator.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—

Harbour General.....	\$	268 00	
Wharves and Piers.....		6,901 82	
Railway System.....		193 50	
Grain Elevator System.....		226,355 51	
		<hr/>	
	\$		233,718 83

OPERATING EXPENSES—

Administration.....		11,377 57	
Operation and Maintenance.....		71,022 02	
		<hr/>	
			82,399 59
Operating Income.....			151,319 24

MISCELLANEOUS INCOME CREDITS.....			1,301 21
Total Income.....			<hr/>
			152,620 45

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Miscellaneous Income Charges.....			2,264 47
Net Income Surplus.....	\$		<hr/>
			150,355 98

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS

FIXED—

Wharves and Piers.....	\$ 961,260 11
Railway System.....	373,248 47
Grain Elevator System.....	3,569,720 18
Office Furniture and Appliances.....	3,598 09
Miscellaneous Small Plant.....	2,588 26
	<u>\$ 4,910,415 11</u>

CURRENT—

Cash—Receiver General of Canada.....	\$ 22,274 23
Cash—On Hand.....	99 32
	<u>22,373 55</u>
Accounts Receivable.....	148,789 32
Stores on Hand.....	8,408 95
Accrued Revenue.....	200 91
Other Assets.....	2,273 84
	<u>182,046 57</u>

PREPAID CHARGES.....

	2,233 66
	<u>\$ 5,094,695 34</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Expenditure under Appropriations.....	\$ 4,903,824 76

CURRENT—

Working Capital Advances.....	\$ 5,000 00
Accounts Payable.....	3,497 93
Salaries and Wages Payable.....	270 26
	<u>8,768 19</u>

DEFERRED CREDITS.....

	92 81
	<u>4,912,685 76</u>

SURPLUS AND DEFICIT ACCOUNT—

Surplus as at December 31, 1941.....	162,758 28
Net Income Surplus for 1942.....	150,355 98
	<u>313,114 26</u>

Deduct—

Payment to Dominion Government on	
Account of Surplus Earnings.....	131,104 68
	<u>132,009 58</u>
	<u>\$ 5,094,695 34</u>

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$16,688. The major items were overhauling automatic scales; drying and varnishing motor stator coils on marine leg drive motors; and general repairs to vessel shovel gear, car haul, marine legs, lofters, building structure, inside electrical circuits, vessel loading spouts and railway tracks.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$171,281, showing an increase of \$7,114 over the earnings of \$164,167 reported in 1941. Operating and maintenance expenses were \$73,100, as compared with \$79,937 in 1941, a decrease of \$6,837.

Net income surplus for 1942 was \$97,859, as against \$81,739 in the previous year, an increase of \$16,120. No charge is made in the accounts of this facility for interest or depreciation on physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—

Grain Elevator System.....	\$	171,280 67
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OPERATING EXPENSES—

Administration.....	\$	12,158 74
Operation and Maintenance.....		60,941 53
		<hr/> 73,100 27
Operating Income.....		98,180 40

MISCELLANEOUS INCOME CREDITS.....		811 38
Total Income.....		<hr/> 98,991 78

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Miscellaneous Income Charges.....		1,132 79
Net Income Surplus.....	\$	<hr/> <hr/> 97,858 99

Port Colborne Elevator BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 21,875 80	Expenditure under Appropriations.....	\$ 2,356,217 60
Wharves and Piers.....	533,644 00		
Railway System.....	42,189 22		
Grain Elevator System.....	1,765,427 02		
Office Furniture and Appliances.....	3,195 51		
Miscellaneous—Small Plant.....	14,175 86		
	<u>\$ 2,380,507 41</u>		<u>6,301 89</u>
			<u>\$ 2,362,519 49</u>
CURRENT—		CURRENT—	
Cash—Receiver General of Canada. \$ 58,146 35		Accounts Payable.....	\$ 5,949 89
Cash—On Hand.....	325 00	Salaries and Wages Payable.....	352 00
			<u>6,301 89</u>
Accounts Receivable.....	58,471 35		
Stores on Hand.....	66,939 02		
	<u>26,521 81</u>		
	151,932 18		
	26 12		
	<u>\$ 2,532,465 71</u>		<u>\$ 2,532,465 71</u>
PREPAID CHARGES.....		SURPLUS AND DEFICIT ACCOUNT—	
		Surplus as at December 31, 1941.....	153,826 13
		Net Income Surplus for 1942.....	97,858 99
			<u>251,685 12</u>
		Deduct—	
		Payment to Dominion Government on	
		account of Surplus Earnings.....	81,738 90
			<u>169,946 22</u>
			<u>\$ 2,532,465 71</u>

HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, a locomotive crane of 20 tons capacity, a floating crane of 10 tons capacity, shear legs of 35 tons capacity and a marine slipway capable of handling boats up to 1,200 tons weight.

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$7,645. The major items were repairs to elevator bin walls, wharf and marine railway.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$144,783, as compared with \$70,268 in the previous year, an increase of \$74,515. Expenditures on account of operation and maintenance showed an increase of \$36,848, the comparable figures being \$139,348 in 1942 and \$102,500 in 1941.

After taking into account miscellaneous income credits and debits, there was a net income surplus in 1942 of \$7,310, as compared with a deficit of \$32,874 in 1941, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—			
Harbour General.....	\$	655 50	
Wharves and Piers.....		1,438 65	
Permanent Sheds.....		1,258 66	
Grain Elevator System.....		65,358 27	
Miscellaneous—Outsiders.....		76,071 75	
		\$	144,782 83
OPERATING EXPENSES—			
Administration.....		19,011 18	
Operation and Maintenance—			
Harbour Dredging.....	\$	998 74	
Harbour General.....		3,883 11	
Roads, Fences and Boundaries.....		443 73	
Wharves and Piers.....		1,081 22	
Permanent Sheds.....		3,386 90	
Railway System.....		1,750 08	
Grain Elevator System.....		43,234 88	
Miscellaneous—Outsiders.....		65,558 27	
		120,336 93	
			139,348 11
Operating Income.....			5,434 72
MISCELLANEOUS INCOME CREDITS.....			2,357 28
			7,792 00
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Miscellaneous Income Charges.....			123 26
			7,668 74
OTHER INCOME REQUIREMENTS—			
Interest due Dominion Government.....			359 06
Net Income Surplus.....	\$		7,309 68

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 1,180,299 95	Loans and Advances (Interest bearing).....	\$ 10,258 08
Real Estate.....	60,277 58	Expenditure under Appropriations.....	13,249,080 19
Miscellaneous Structures.....	181,602 40		<u>\$13,259,339 17</u>
Wharves and Piers.....	1,367,768 68		
Permanent Sheds.....	200,594 74		
Railway System.....	32,732 20		
Grain Elevator System.....	4,133,460 34		
Harbour Buildings.....	147,300 05		
Harbour Shops.....	13,299 71	CURRENT—	
Electric Power System.....	19,491 34	Working Capital Advances.....	90,000 00
Water Supply System.....	407,897 10	Accounts Payable.....	66,555 40
Floating Equipment.....	1,227,499 26	Salaries and Wages Payable.....	4,789 87
Miscellaneous Small Plant.....	427,942 45	Matured Interest due Dominion Government..	1,603 41
Engineering—General Surveys.....	109,441 06		<u>102,948 78</u>
Sundry Expenditure (Undistributed).....	3,663,206 44		
	<u>\$13,172,813 30</u>		
CURRENT—		DEFERRED CREDITS.....	4,923 09
Cash—Receiver General of Canada.\$	2,985 12		<u>13,427,216 04</u>
Cash—On Hand.....	759 56		
Accounts Receivable.....	3,744 68		
Stores on Hand.....	127,665 56		
Accrued Revenue.....	50,828 12		
Other Assets.....	84,568 30		
	<u>18,812 33</u>		
	285,618 99	SURPLUS AND DEFICIT ACCOUNT—	
		Surplus as at December 31, 1941.....	24,382 10
		Net Income Surplus for 1942.....	7,309 68
			<u>31,691 78</u>
PREPAID CHARGES.....	475 53		
	<u>\$13,458,907 82</u>		<u>\$13,458,907 82</u>

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year round has a minimum depth of 35 feet. The Board has 3 piers, a wharf and 2 jetties, having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,816,500 bushels, a combined loading capacity of about 200,000 bushels per hour and $1\frac{1}{2}$ miles of conveyer galleries. Besides, there are provided storage tanks with a capacity of over 470,000 imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

During the year ordinary maintenance and repairs were carried out at a total cost of \$97,959, excluding maintenance of Second Narrows bridge, upon which \$17,146 was expended. The principal items were repairs to concrete bin walls at grain elevators 1 and 3; renewal of the roof of the bin storage at No. 1 elevator; renewal of the approach to the booming grounds; repairs to a section of the main fish wharf float; repairs to the roof of shed 2 at Lapointe pier and replacement of spout booms at No. 1 jetty.

CAPITAL WORKS

Capital expenditure, provided in part from replacement funds, amounted to \$52,338, the chief item being:—

Reconstruction of Dunlevy Avenue Wharf.—In late December, 1941, a contract was awarded for the reconstruction of Dunlevy Avenue wharf using creosoted timber and piling. Work was commenced early in 1942 and completed during the year.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,568,977, as compared with \$1,476,586 in 1941, an increase of \$92,391. Operating and maintenance expenses showed an increase of \$20,193, the comparable figures being \$588,502 in 1942 and \$568,309 in 1941.

After taking into account income credits and debits and making provision for replacements and interest due the Dominion Government, there was a net income deficit of \$468,350, as compared with \$533,026 in 1941.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—

Harbour General.....	\$ 753,706 34	
Wharves and Piers.....	127,080 48	
Permanent Sheds.....	169,288 79	
Railway System.....	265,975 22	
Grain Elevator System.....	218,136 44	
Cold Storage System.....	29,634 43	
Miscellaneous—Outsiders.....	5,155 41	
	<u> </u>	\$ 1,568,977 11

OPERATING EXPENSES—

Administration.....		93,219 60	
Operation and Maintenance—			
Harbour General.....	\$ 158,251 56		
Roads, Fences and Boundaries.....	205 11		
Wharves and Piers.....	61,415 05		
Permanent Sheds.....	73,160 53		
Shed Hoists.....	544 06		
Railway System.....	167,227 40		
Grain Elevator System.....	8,253 66		
Cold Storage System.....	21,069 98		
Miscellaneous—Outsiders.....	5,155 41		
	<u> </u>	495,282 76	
			588,502 36
Operating Income.....			<u>980,474 75</u>

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 170,338 84

MISCELLANEOUS INCOME CREDITS.....	44,679 44	
	<u> </u>	215,018 28
Total Income.....		<u>1,195,493 03</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	170,338 84	
Reserve for Bad Debts.....	9,372 15	
	<u> </u>	179,710 99
		<u>1,015,782 04</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	250,000 00	
Interest due Dominion Government.....	1,234,131 82	
	<u> </u>	1,484,131 82
Net Income Deficit.....		<u><u>\$ 468,349 78</u></u>

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS		LIABILITIES	
Fixed—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 6,638,615 36	Loans and Advances (Interest bearing).....	\$25,116,658 44
Vehicular Bridges.....	98,181 20		
Roads, Fences and Boundaries.....	284,491 77		
Miscellaneous Structures.....	10,568 83		
Wharves and Piers.....	7,927,791 11		
Permanent Sheds.....	1,437,356 96		
Railway System.....	1,331,246 96	CURRENT—	
Grain Elevator System.....	6,572,482 61	Accounts Payable.....	263,710 04
Cold Storage System.....	68,682 88	Salaries and Wages Payable.....	5,389 80
Office Furniture and Appliances.....	34,152 40	Matured Interest due Dominion Government.....	4,051,417 84
Harbour Buildings.....	64,161 89	Unclaimed Wages.....	373 62
Floating Equipment.....	50,724 45		<u>4,320,891 00</u>
Shore Equipment.....	248,981 66		
Miscellaneous Small Plant.....	41,897 91	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	10,000 00
Engineering—General Surveys.....	3,084 59		
	<u>\$24,812,420 58</u>		
CURRENT—		RESERVES—	
Cash—Receiver General of Canada.....	\$ 232,734 07	Replacement.....	3,860,727 20
Cash—On Hand.....	3,339 00	Fire and General Insurance.....	46,418 39
	<u>236,073 07</u>	Miscellaneous.....	15,661 22
Accounts Receivable.....	495,255 72		<u>3,922,806 81</u>
Less—Reserve for Bad Debts.....	26,189 04		
Stores on Hand.....	469,066 68	DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	136,433 00
Accrued Revenue.....	45,531 96		<u>33,506,789 25</u>
	<u>6,143 91</u>		
SECOND NARROWS BRIDGE—EQUITY.			
INVESTMENTS.....	756,815 62		
SECURITY DEPOSITS.....	815,655 57		
REPLACEMENT FUND.....	44,693 00		
FIRE AND GENERAL INSURANCE FUND.....	10,000 00	SURPLUS AND DEFICIT ACCOUNT—	
MISCELLANEOUS FUNDS.....	3,860,727 20	Deficit as at December 31, 1941.....	2,666,105 86
PREPAID CHARGES.....	46,418 39	Adjustments in 1941.....	1,874 41
	19,411 72	Net Income Deficit for 1942.....	408,349 78
	<u>4,317 12</u>		<u>3,136,330 05</u>
			<u>\$30,370,459 20</u>

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge at the Harbour of Vancouver during the calendar year 1942, with comparisons for 1941:—

Classification	1942 Revenue Passages	1941 Revenue Passages
Passengers in vehicles, and Pedestrians.....	2,401,967	1,937,176
Automobiles (passenger).....	787,493	715,856
Trucks (including buses).....	141,889	119,994
All others.....	835	1,511
Total.....	3,332,184	2,774,537

REVENUES AND EXPENDITURES

Operating revenues amounted to \$161,535, as compared with \$143,955 in 1941, an increase of \$17,580. Operating and maintenance expenses were \$58,193, being slightly higher than the figure of \$55,201 reported for 1941.

After charging interest on debt to Vancouver harbour and reserve for replacements, the bridge showed a surplus for the year of \$53,793, as compared with \$37,287 in 1941.

The sum of \$57,029 was applied in reduction of indebtedness incurred for the reconstruction of the bridge, bringing to \$194,752 the amount repaid from earnings. Indebtedness outstanding at December 31, 1942 amounted to \$815,656, of which \$97,043 represented matured instalments.

INCOME STATEMENT FOR THE CALENDAR YEAR 1942

OPERATING REVENUES—	
Bridge Tolls.....	\$ 156,763 36
Sundry Receipts.....	4,772 13
	<u>\$ 161,535 49</u>
OPERATING EXPENSES—	
Administration.....	2,400 00
Operation.....	38,647 67
Maintenance.....	17,145 52
	<u>58,193 19</u>
Operating Income.....	103,342 30
INCOME RECEIVED FROM RESERVE FUNDS.....	3,865 03
Total Income.....	<u>107,207 33</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Income received from Reserve Funds transferred to Reserve.....	3,865 03
	<u>103,342 30</u>
INTEREST ON DEBT TO VANCOUVER HARBOUR.....	43,634 27
	<u>59,708 03</u>
OTHER INCOME REQUIREMENTS—	
Reserve for Replacements.....	5,915 17
Operating Surplus (Before providing for instalments of principal).....	<u>\$ 53,792 86</u>

Second Narrows Bridge—Vancouver BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS		LIABILITIES	
FIXED—		CAPITAL—	
Capital Cost Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured Balance....	\$ 718,612 38
Office Furniture and Appliances.....	507 47	CURRENT—	
		Accounts Payable.....	109 21
		Ticket Liability.....	4,648 97
		Vancouver Harbour—Matured Instalment Un- paid.....	97,043 19
			101,801 37
CURRENT—		RESERVES—	
Cash—On Hand.....	\$ 910 35	Replacement.....	58,776 63
Accounts Receivable.....	204 35		8 33
Accrued Revenue.....	432 88	DEFERRED CREDITS.....	879,198 71
	1,607 58	SURPLUS ACCOUNT (Representing Repayment of Principal out of Income— Balance as at December 31, 1941.....	137,722 67
		<i>Add—</i>	
		Balance 1941 Operating Surplus applied to Repayment of Principal.....	9,818 23
REPLACEMENT FUND.....	58,776 63		147,540 90
		Part 1942 Operating Surplus applied to Repay- ment of Principal.....	47,211 33
PREPAID CHARGES.....	2,983 85		194,752 23
		Balance 1942 Operating Surplus (not yet applied to Repayment of Principal)....	6,581 53
	6,249 14		201,333 76
DEFERRED DEBITS.....			\$ 1,080,532 47
	\$ 1,080,532 47		

This Balance Sheet is drawn up so as to reflect the terms of an Agreement, dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statement of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1942

REVENUE—

Assessments.....	\$ 129,814 10
------------------	---------------

EXPENDITURE—

Salaries.....	\$ 101,010 05
Travelling Expenses.....	3,491 51
Advertising.....	2,657 25
Office Expenses.....	9,200 70
Treasury Office—Salaries and Expenses.....	13,454 59
	<u>\$ 129,814 10</u>

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1942

ASSETS

FIXED—			
Office Furniture and Appliances.....	\$	3,996 88	
CURRENT—			
Cash—Receiver General of Canada.....	\$	1,057 44	
Accounts Receivable.....		10 00	
		<u>1,067 44</u>	
GENERAL WORKMEN'S COMPENSATION ACCOUNTS—			
Cash and Securities.....		198,244 01	
Accounts Receivable.....		<u>6,325 63</u>	
		204,569 64	
	\$	<u>209,633 96</u>	
LIABILITIES			
CURRENT—			
Accounts Payable.....	\$		1,067 44
GENERAL WORKMEN'S COMPENSATION ACCOUNTS—			
Reserve.....			204,569 64
			<u>205,637 08</u>
SURPLUS AND DEFICIT ACCOUNT—			
Surplus as at December 31, 1941.....	\$	3,544 40	
Adjustments in 1942.....		<u>452 48</u>	
		3,996 88	
	\$	<u>209,633 96</u>	

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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1943



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1944

Price, 25 cents

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ANNUAL REPORT

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NATIONAL HARBOURS BOARD

For Calendar Year

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OTTAWA
EDMOND CLOUTIER
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1944

NATIONAL HARBOURS BOARD

R. K. Smith, K.C.....Chairman.
J. E. St. Laurent.....Vice-Chairman.
B. J. Roberts.....Member.

F. W. Riddell.....Executive Secretary.
C. P. Buckley.....Assistant Secretary.
E. G. Cameron.....Chief Engineer.
W. C. Perron.....Traffic Officer.

Halifax.....R. W. Hendry.....Port Manager.
Saint John.....Alex Gray.....Port Manager and Chief
Engineer.
Chicoutimi.....L. A. Dussault.....Port Manager.
Quebec.....Louis Beaudry.....Port Manager and Acting
Chief Engineer.
Three Rivers.....J. R. Larivière.....Port Manager.
Montreal.....Alex. Ferguson.....Port Manager.
Prescott.....G. T. Birch.....Superintendent.
Port Colborne.....C. A. Bennett.....Superintendent.
Churchill.....W. N. Twolan.....Port Manager.
Vancouver.....K. J. Burns.....Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 31, 1944.

To the Honourable J. E. MICAUD, K.C., M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the eighth annual report of the National Harbours Board, covering the operations for the calendar year 1943, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING AND CARGO TONNAGE

Vessel arrivals in 1943 numbered 39,041, the aggregate net registered tonnage being 27,400,898. In 1942, the comparative figures were 43,432 vessels of 32,680,820 net registered tons.

In 1943, the aggregate volume of water-borne cargo tonnage, inward and outward, was 4 per cent greater than in the previous year. The figures for 1943 were 22,928,404 tons, as against 22,089,516 tons in 1942, an increase of 838,888 tons.

During the war, explanatory comment on shipping and cargo figures, as well as the publication of traffic statistics of individual harbours, are withheld.

REVENUES AND EXPENDITURES

Operating revenues of all units under the administration of the Board amounted to \$10,861,081 in 1943, as compared with \$10,416,805 in 1942. The increase was \$444,276, or 4 per cent. Expenses of administration, operation and maintenance were \$5,277,574 and showed only a slight increase over those for 1942, when expenses totalled \$5,219,781, the difference being \$57,793. Operating income for the year was \$5,583,507, as compared with \$5,197,024 in 1942, an increase of \$386,483, or 7 per cent.

After taking into account miscellaneous debits and credits to income, and charging interest and reserve for replacements, the operations for 1943 resulted in a net income deficit of \$4,086,204. The corresponding figure for 1942 was \$4,547,935. The net gain over 1942 was, therefore, \$461,731, or 10 per cent.

The operations of the Board fall into two divisions; first, the seven harbours administered by local commissioners prior to 1936, and secondly, the grain elevators at Prescott and Port Colborne and the harbour of Churchill which were entrusted to the Board for operation at the beginning of 1937. Consolidated income statements for each of these divisions are set out below.

The seven harbours referred to—Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver—had aggregate operating revenues in 1943 of \$10,522,624, as compared with \$9,867,022 in 1942. The increase was \$655,602, or nearly 7%. Expenses of administration, operation and maintenance increased slightly from \$4,924,933 in 1942 to \$4,996,630 in 1943. Operating income rose from \$4,942,089 in 1942 to \$5,525,994 in 1943.

After taking into account, miscellaneous income debits and credits and charging interest and reserve for replacements, a net income deficit of \$4,154,261 was shown for these harbours in 1943. The corresponding figure in 1942 was \$4,803,459. The improvement was, therefore, \$649,198 or 13%.

The following is a comparative income statement for the seven harbours referred to for each of the years 1939 to 1942, inclusive:—

CONSOLIDATED INCOME STATEMENT

HARBOURS OF HALIFAX, SAINT JOHN, CHICOUTIMI, QUEBEC, THREE RIVERS,
MONTREAL AND VANCOUVER

	1943	1942	1941	1940	1939
OPERATING REVENUES.....	\$10,522,624	\$9,867,022	\$10,730,388	\$10,034,760	\$8,486,475
OPERATING AND MAINTENANCE EXPENSES.....	4,996,630	4,924,933	4,650,727	4,211,597	3,910,164
Operating Income.....	5,525,994	4,942,089	6,088,661	5,823,163	4,576,311
MISCELLANEOUS CREDITS (Net).....	26,937	54,050	51,750	105,528	65,891
Total Income.....	5,552,931	4,888,039	6,036,911	5,717,635	4,510,420
INTEREST DUE PUBLIC.....	1,024,431	1,025,796	1,042,815	1,045,045	1,046,974
	4,528,500	3,862,243	4,994,096	4,672,590	3,463,446
OTHER INCOME REQUIREMENTS					
Reserve for Replacements.....	1,969,730	1,964,301	1,962,227	1,965,252	1,958,640
Interest due Government.....	7,013,031	7,001,401	7,026,717	7,014,175	6,938,835
	8,982,761	8,965,702	8,988,944	8,979,427	8,897,475
	4,454,261	5,103,459	3,994,848	4,306,837	5,434,029
Deduct—					
Special Contributions to Deficits					
(Bridge—Montreal).....	300,000	300,000	300,000	300,000	300,000
Net Income Deficit.....	\$4,154,261	\$4,803,459	\$3,694,848	\$4,006,837	\$5,134,029

For record purposes, the following statement showing operating revenues, operating expenses and operating income for each of the seven harbours for the years 1935 to 1943, inclusive, is submitted:—

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Halifax.....	1935	500,936	504,851	3,915*
	1936	510,179	433,040	77,139
	1937	581,740	429,472	152,268
	1938	599,856	420,765	179,091
	1939	744,470	420,841	323,629
	1940	1,225,787	547,285	678,502
	1941	1,593,478	803,052	790,426
	1942	1,832,318	889,120	943,198
	1943	1,848,330	1,000,664	847,666
Saint John.....	1935	322,954	272,860	50,094
	1936	367,448	256,380	111,068
	1937	435,952	240,302	195,650
	1938	445,726	242,544	203,182
	1939	466,004	237,882	228,122
	1940	661,359	258,901	402,458
	1941	776,066	264,971	511,095
	1942	1,133,509	319,114	814,395
	1943	1,492,579	440,134	1,052,445

* Deficit.

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Chicoutimi.....	1935	13,328	20,401	7,073*
	1936	21,307	18,639	2,668
	1937	21,750	14,361	7,389
	1938	21,254	13,374	7,880
	1939	20,414	14,078	6,336
	1940	34,139	15,247	18,892
	1941	30,339	16,100	14,239
	1942	30,067	16,887	13,180
	1943	32,016	25,880	6,136
Quebec.....	1935	466,474	781,758	315,284*
	1936	482,542	673,838	191,295*
	1937	447,780	572,334	124,554*
	1938	488,013	537,316	49,303*
	1939	469,424	492,203	22,779*
	1940	684,988	504,078	180,910
	1941	710,867	583,546	127,321
	1942	620,030	760,012	139,982*
	1943	762,644	643,458	119,186
Three Rivers.....	1935	93,076	47,837	45,239
	1936	122,347	32,191	90,156
	1937	172,309	18,023	154,286
	1938	191,881	33,242	158,639
	1939	165,682	18,147	147,535
	1940	237,924	44,905	193,019
	1941	243,911	38,930	204,981
	1942	185,738	22,603	163,135
	1943	199,023	18,011	181,012
Montreal.....	1935	4,032,770	2,394,967	1,637,803
	1936	4,238,836	2,209,179	2,029,657
	1937	4,377,350	2,136,800	2,240,550
	1938	4,917,837	2,095,656	2,822,181
	1939	4,469,097	1,987,928	2,481,169
	1940	5,117,818	2,116,681	3,001,137
	1941	5,174,415	2,214,748	2,959,667
	1942	3,797,440	2,167,596	1,629,844
	1943	3,786,305	2,039,507	1,746,798
Jacques Cartier Bridge—(Montreal).....	1935	347,698	145,439	202,259
	1936	354,867	91,861	263,006
	1937	423,785	84,550	339,235
	1938	445,945	91,785	354,160
	1939	463,124	91,266	371,858
	1940	474,270	103,167	371,103
	1941	589,768	105,870	483,898
	1942	537,406	102,903	434,503
	1943	520,120	97,020	423,100
Vancouver.....	1935	1,537,044	736,554	800,490
	1936	1,792,980	718,997	1,073,983
	1937	1,636,648	708,830	927,818
	1938	1,453,905	566,397	887,508
	1939	1,578,036	590,743	987,293
	1940	1,480,904	568,853	912,051
	1941	1,476,586	568,309	908,277
	1942	1,568,977	588,502	980,475
	1943	1,736,959	670,930	1,066,029
Second Narrows Bridge—(Vancouver).....	1935	113,168	71,083	42,085
	1936	140,089	60,586	79,502
	1937	164,899	62,611	102,288
	1938	178,039	62,630	115,409
	1939	110,225	57,074	53,151
	1940	117,569	52,480	65,089
	1941	143,955	55,201	88,754
	1942	161,535	58,193	103,342
	1943	144,645	61,024	83,621

* Deficit.

Aggregate revenues of the grain elevators at Prescott and Port Colborne and the harbour of Churchill were \$338,457 in 1943, as compared with \$549,782 in the previous year, a decrease of \$211,325. Reduced earnings from grain storage accounted largely for the decline in revenues. Operating and maintenance expenses were somewhat lower in 1943, amounting to \$280,944, as compared with \$294,848 in the previous year. The surplus of revenues over expenditures was \$68,058 in 1943, as against \$255,524 in 1942, a decrease of \$187,466. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1943, showing also comparative figures for the preceding four years:—

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1943	1942	1941	1940	1939
Operating Revenues.....	\$ 338,457	\$ 549,782	\$ 450,041	\$ 567,439	\$ 606,665
Operating and Maintenance Expenses.....	280,944	294,848	268,562	295,230	348,658
	57,513	254,934	181,479	272,209	258,007
Other Debits and Credits (Net).....	10,545	590	1,510	2,521	1,729
Net Income Surplus.....	\$ 68,058	\$ 255,524	\$ 179,969	\$ 269,688	\$ 259,736

CAPITAL EXPENDITURES

Capital expenditures in 1943 amounted to \$544,777, distributed as follows:—

CAPITAL—

Halifax.....	\$ 215,487
Saint John.....	307,355
Three Rivers.....	681
Montreal.....	8,479
Vancouver.....	4,213
	<u>\$ 536,215</u>

Replacement of Fixed Assets—

Montreal.....	\$ 300
Vancouver.....	8,262
	<u>\$ 544,777</u>

These expenditures were financed as follows: \$180,674 by advances from the Dominion Treasury on which interest at the rate of 3½ per cent per annum is charged; \$355,541, being for expenditures attributable to the war, by a direct charge to allotments under the War Appropriation Act, without interest; and \$8,562, representing the book value of assets replaced, by withdrawals from the Boards' replacement fund.

The book value of fixed assets as at December 31, 1943, was \$224,892,400.

Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

In addition to the sum of \$536,215 shown above as being required for capital expenditures, an advance of \$41,000 was obtained from the Dominion Treasury to redeem at maturity debentures of the harbour of Saint John held by the public; also an advance of \$370,000 to cover cash deficit resulting from the operation of Jacques Cartier Bridge, Montreal, and a payment of \$29,489 representing the loss on the operation of the harbour of Churchill. The total financial assistance in respect of the year's operations was \$976,704.

On the other hand, payments by the Board to the Dominion Treasury during 1943 totalled \$3,654,248, made up as follows: interest on advances, \$3,001,603; earnings of Port Colborne elevator, \$97,859, of Prescott elevator, \$150,356 and of the harbour of Churchill, \$6,065 (being for the year 1942); and refund of advances for capital expenditures in previous years, \$398,365.

Reserve funds in the form of investments or cash balances on deposit with the Receiver General of Canada had a book value of \$14,598,196 as at December 31, 1943, the net increase during the year being \$1,979,476. Investments had a book value of \$14,093,975 and a market value of \$14,784,926. These reserves have been set aside from earnings for the replacement of physical assets (as from Jan. 1, 1936) and for insurance and workmen's compensation funds. They also include the Board's Pension Fund.

Under by-law passed in 1943, a pension plan for permanent salaried employees was established, contributions by employees and the scale of benefits being the same as provided under the Civil Service Superannuation Act, 1924. The Board will transfer to the fund, as an administrative expense, amounts equal to employees' contributions. During 1943, the cost to the Board was \$68,026, covering current as well as prior service instalments. Contributor's elections were effective only during the latter part of the year and the annual liability will be appreciably greater.

As provided by Section 31 of The National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

AUDIT

The Auditor General of Canada has carried on a continuous audit of the accounts.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, are appended to this report.

Respectfully submitted,

R. K. SMITH,
Chairman.

J. E. ST. LAURENT,
Vice-Chairman.

B. J. ROBERTS.

F. W. RIDDELL.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—

Harbour General.....	\$ 975,704 18
Wharves and Piers.....	3,804,164 21
Permanent Sheds.....	1,081,153 44
Shed Hoists.....	56,742 42
Railway System.....	1,009,223 69
Grain Elevator System.....	1,469,690 19
Cold Storage System.....	640,106 65
Miscellaneous—Outsiders.....	1,159,530 70
Bridge Tolls and Sundry Receipts.....	664,765 50
	<u>\$10,861,080 98</u>

OPERATING EXPENSES—

Administration.....	700,773 01
Operation and Maintenance—	
Harbour Dredging.....	\$ 106,446 53
Harbour General.....	771,201 66
Vehicular Bridges.....	4,162 89
Roads, Fences and Boundaries.....	42,700 33
Sewers and Drains.....	5,846 65
Wharves and Piers.....	224,213 24
Permanent Sheds.....	392,935 84
Shed Hoists.....	31,675 98
Railway System.....	785,281 30
Grain Elevator System.....	858,662 44
Cold Storage System.....	483,833 48
Miscellaneous—Outsiders.....	737,838 37
Bridges.....	132,002 08
	<u>4,576,800 79</u>
	5,277,573 80
Operating Income.....	5,583,507 18

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 419,129 37

MISCELLANEOUS INCOME CREDITS..... 167,800 77
586,930 14

Total Income..... 6,170,437 32

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	418,561 95
Reserve for Bad Debts.....	4,922 69
Miscellaneous Income Charges.....	10,106 00
Trustees' Fees, Commissions, Bond Discount, etc.....	115,498 82
	<u>549,089 46</u>

Income Available for Interest due Public..... 5,621,347 86

INTEREST ON DEBT TO THE PUBLIC..... 1,024,431 25

4,596,916 61

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,803,574 17
Reserve for Depreciation.....	166,156 20
Interest due Dominion Government.....	7,013,390 04
	<u>8,983,120 41</u>
	4,586,203 80

Deduct:

Special Contributions to Deficit (Bridge—Montreal)..... 300,000 00

Net Income Deficit..... \$ 4,086,203 80

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,268,659 60	
Real Estate.....	12,753,834 91	
Vehicular Bridges.....	300,525 82	
Roads, Fences and Boundaries.....	1,760,538 47	
Sewers and Drains.....	663,600 13	
Miscellaneous Structures.....	745,103 93	
Wharves and Piers.....	89,453,661 80	
Permanent Sheds.....	20,087,494 87	
Shed Hoists and Electric Cranes.....	268,255 40	
Railway System.....	6,994,090 81	
Grain Elevator System.....	41,905,328 98	
Cold Storage System.....	5,728,398 43	
Office Furniture and Appliances.....	140,743 05	
Harbour Buildings.....	730,301 56	
Central Heating Plants.....	156,453 31	
Harbour Shops.....	332,040 52	
Electric Power System.....	1,081,331 83	
Water Supply System.....	744,438 21	
Floating Equipment.....	1,921,307 63	
Shore Equipment.....	771,799 17	
Miscellaneous Small Plant.....	560,632 95	
Engineering—General Surveys.....	606,402 98	
Works under Construction.....	214,948 38	
Sundry Expenditure—Undistributed.....	5,281 387 38	
Bridge Construction and Right-of-Way, etc.....	19,421,120 15	
		\$224,892,400 27

CURRENT—

Cash.....	1,737,072 97	
Accounts Receivable.....	1,970,324 06	
Advances due on Capital Account.....	2,464 84	
Stores on Hand.....	476,456 87	
Accrued Revenue.....	285,916 33	
Other Assets.....	9,953,81	
		4,482,188 88

INVESTMENTS.....	44,697 92	
SECURITY DEPOSITS.....	106,477 60	
REPLACEMENT FUND.....	13,414,097 52	
FIRE AND GENERAL INSURANCE FUND.....	801,409 95	
GENERAL WORKMEN'S COMPENSATION FUND.....	246,025 70	
PENSION FUND.....	136,662 57	
MISCELLANEOUS FUNDS.....	57,661 84	
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	228,526 50	
PREPAID CHARGES.....	23,205 84	
DEFERRED DEBITS.....	72,704 15	
		\$244,506,058 74

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1943

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....\$ 20,464,082 35

DOMINION GOVERNMENT ACCOUNT—

Loans and Advances (Interest Bearing).....	\$ 155,546,086 35	
Expenditure under Appropriations.....	50,772,151 60	
Government Loans Applied for.....	2,464 84	
		206,320 702 79

ACCOUNTS PAYABLE—CONSTRUCTION.....115,197 81

CONTRACTORS' HOLDBACKS—CONSTRUCTION.....4,792 80

CURRENT—

Working Capital Advances.....	140,000 00	
Accounts Payable.....	380,387 77	
Salaries and Wages Payable.....	76,800 65	
Matured Interest Unpaid—		
Due Public.....	31,876 41	
Due Dominion Government.....	59,086,546 08	
Accrued Interest due Public.....	183,120 68	
Contractors' Holdbacks—Maintenance.....	3,642 84	
Unclaimed Wages.....	1,251 79	
Matured Debentures due Public.....	15,000 00	
Other Current Liabilities.....	4,648 97	
		59,923,275 19

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....106,477 60

RESERVES—

Replacement.....	15,114,392 07	
Fire and General Insurance.....	801,654 47	
General Workmen's Compensation.....	246,025 70	
Pensions.....	136,662 57	
Miscellaneous.....	2,045,849 49	
		18,344,584 30

DEFERRED CREDITS.....273,048 72

305,552,161 56

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1942.....	56,624,154 73	
Adjustments in 1943.....	335,744 29	
Net Income Deficit for 1943.....	4,086,203 80	
		61,046,102 82
		\$ 244,506,058 74

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates 7 main piers and wharves having about 16,000 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,100,000 square feet. In addition, the Board manages a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,075,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$105,874. The major items were repairs to deck and substructure of pier 4 Deep Water terminals, repairs to roof of shed 27, Ocean Terminals, replacement of leg belt and buckets on a receiving leg at the grain elevator and regular maintenance of wharves, sheds, cold storage plant, grain elevator, roadways and auxiliary facilities.

Two fireboats and shore based fire protection equipment were maintained in good operating condition, chargeable to funds provided under the War Appropriation Act.

CAPITAL WORKS

Expenditures on capital account amounted to \$215,487. Of this amount \$13,972 related to ordinary harbour installations, financed from interest-bearing advances to the Board, and \$201,515 related to works authorized under and chargeable to War Appropriation. The following constituted the principal items:

Reconstruction of Electric Substation at Grain Elevator.—In 1942 the equipment in the substation at the grain elevator was destroyed by fire. New equipment was purchased and the work of replacement was 20% completed during 1943.

Minor Works.—These included the construction of a wooden shed equipped with elevating equipment for salt storage; the installation of an ice elevator and relocation of an ice crusher at the cold storage terminal; the construction of a 360 foot railway siding extension at the cold storage terminal; the construction of a landing stage at Deep Water terminals and the completion of construction of a longshoremen's rest room at pier 9.

War Appropriation Works

Additional Unloading Facilities at Grain Elevator.—To provide increased facilities for receiving grain, a cardumper was dismantled at elevator 3, Montreal, and installed in the elevator at Halifax. A contract was awarded for the construction of additional concrete foundations for the cardumper and placing fill for additional railway trackage and all work included therein was completed during the year. Another contract was awarded for the dismantling and re-erection

of the cardumper and extending the existing unloading shed. This work was 95 per cent completed in 1943. The construction of additional railway trackage, to serve the second dumper, which was carried out by arrangement with the Canadian National Railways, was completed during the year.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,848,330, as compared with \$1,832,318 in 1942, the increase being \$16,012. Operating and maintenance expenses showed an increase of \$111,543 over the previous year, the comparable figures being \$1,000,664 for 1943 and \$889,121 for 1942.

After charging interest due the Government and reserve for replacements, the year's operations showed a net income surplus of \$215,810, as compared with \$232,437 in 1942.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUE—

Harbour General.....	\$ 74,248 97
Wharves and Piers.....	1,074,826 34
Permanent Sheds.....	121,052 50
Grain Elevator System.....	159,776 48
Cold Storage System.....	259,716 47
Miscellaneous—Outsiders.....	158,709 58
	<hr/> \$ 1,848,330 34

OPERATING EXPENSES—

Administration.....	85,771 60
Operation and Maintenance—	
Harbour General.....	\$ 206,073 47
Roads, Fences and Boundaries.....	2,433 12
Sewers and Drains.....	399 72
Wharves and Piers.....	39,124 39
Permanent Sheds.....	169,531 62
Grain Elevator System.....	205,892 75
Cold Storage System.....	175,020 12
Miscellaneous—Outsiders.....	116,416 87
	<hr/> 914,892 06
	<hr/> 1,000,663 68
Operating Income.....	847,666 68

INCOME RECEIVED FROM RESERVE FUNDS..... 48,505 66

MISCELLANEOUS INCOME CREDITS..... 147,011 65

195,517 31

Total Income..... 1,043,183 99

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	48,505 66
Reserve for Bad Debts.....	353,72
Miscellaneous Income Charges.....	114 51
	<hr/> 48,973 89
	<hr/> 994,210 10

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00
Interest due Dominion Government.....	578,400 37
	<hr/> 778,400 37
Net Income Surplus.....	<hr/> \$ 215,809 73

Harbour of Halifax BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS

FIXED—	
Harbour Dredging.....	\$ 160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	238,737 01
Sewers and Drains.....	60,611 27
Miscellaneous Structures.....	28,387 08
Wharves and Piers.....	16,922,004 01
Permanent Sheds.....	5,009,224 34
Grain Elevator System.....	2,511,706 89
Cold Storage System.....	1,928,530 75
Office Furniture and Appliances.....	30,008 95
Central Heating Plants.....	65,316 59
Electric Power System.....	8,409 40
Water Supply System.....	99,339 32
Floating Equipment.....	50,116 55
Shore Equipment.....	53,337 77
Miscellaneous Small Plant.....	61,286 16
Engineering—General Surveys.....	475,501 67
Works under Construction.....	6,640 65
	<u>\$28,242,675 33</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 135,159 03
Cash—On Hand.....	1,463 17
Accounts Receivable.....	408,020 82
Less—Reserve for Bad Debts.....	870 86
Advances due on Capital Account.....	407,149 96
Stores on Hand.....	2,202 71
Accrued Revenue.....	34,229 73
Other Assets.....	9,677 84
	<u>2,766 41</u>
	592,648 85

REPLACEMENT FUND.....	1,601,484 28
FIRE AND GENERAL INSURANCE FUND.....	78,203 13
MISCELLANEOUS FUNDS.....	16,697 50
PREPAID CHARGES.....	239 19
DEFERRED DEBITS.....	7,886 44
	<u>\$30,539,834 77</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$12,485,308 34
Expenditure under Appropriations.....	15,749,167 11
Government Loans Applied for—Contra.....	2,102 71
	<u>\$28,236,678 16</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	50,401 82
CURRENT—	
Accounts Payable.....	89,963 78
Salaries and Wages Payable.....	14,920 65
Matured Interest Unpaid—	
Due Public.....	\$ 2,197 50
Due Dominion Government.....	3,562,056 30
Unclaimed Wages.....	3,564,253 80
Matured Debentures due Public.....	488 81
	<u>14,500 00</u>
	3,684,127 04

RESERVES—	
Replacement.....	1,601,484 28
Fire and General Insurance.....	78,203 13
	<u>1,679,687 41</u>
DEFERRED CREDITS.....	2,795 84
	<u>33,653,690 27</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1942.....	3,329,665 23
Deduct—	
Net Income Surplus for 1943.....	215,809 73
	<u>\$,113,855 50</u>
	<u>\$30,539,834 77</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 20 deep water wharves having some 12,700 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water, and 18 transit sheds, including 2 frost-proof sheds, with an aggregate floor space of about 812,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to 9 of the berths by over 2 miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. A 45-ton fixed derrick is available at berth 1, Navy Island; two locomotive cranes and 15-ton and 65-ton floating cranes are also available together with scows for lighterage.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$105,568; The larger items were dredging six berths to a minimum depth of 30 feet at extreme low tide; resurfacing the timber portion of the approach to Long wharf; the painting of shed 6 and a portion of the grain galleries.

CAPITAL WORKS

Expenditures on capital account amounted to \$307,355, of which \$154,027 was chargeable to War Appropriation. The following were the principal items:

Construction of Concrete Shed at Berth 8.—The construction of a reinforced concrete shed 555 feet by 93 feet, with a triangular annex 170 feet by 275 feet, commenced in 1942, was completed in 1943.

War Appropriation Works

Construction of 65-ton Floating Crane.—A steel scow, 160 feet by 42 feet was purchased, necessary hull alterations were made and a steel derrick of 65-ton capacity was installed. The crane is in operation on heavy lifts.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,492,579, as compared with \$1,133,509 in 1942, the increase being \$359,070, operating and maintenance expenses were \$440,134, being \$121,019 greater than in 1942 when such expenditures amounted to \$319,115.

After taking into account income debits and credits, paying interest on debt to the public of \$65,719 and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$10,974, as against a deficit, in 1942, of \$243,040.

Debenture indebtedness to the public, in the amount of \$41,000, was paid off during the year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—

Harbour General.....	\$ 33,893 76	
Wharves and Piers.....	1,135,414 60	
Permanent Sheds.....	29,372 84	
Shed Hoists (Crane).....	10,413 00	
Railway System.....	930 00	
Grain Elevator System.....	87,055 16	
Miscellaneous—Outsiders.....	195,499 63	
		<u>\$ 1,492,578 99</u>

OPERATING EXPENSES—

Administration.....		51,287 90	
Operation and Maintenance—			
Harbour Dredging.....	\$ 55,384 60		
Harbour General.....	81,561 58		
Vehicular Bridges.....	653 02		
Roads, Fences and Boundaries.....	3,083 35		
Sewers and Drains.....	611 54		
Wharves and Piers.....	27,758 90		
Permanent Sheds.....	81,290 01		
Shed Hoists (Crane).....	776 87		
Grain Elevator System.....	6,397 10		
Miscellaneous—Outsiders.....	131,329 35		
		<u>388,846 32</u>	
			<u>440,134 22</u>
Operating Income.....			<u>1,052,444 77</u>

INCOME RECEIVED FROM RESERVE FUNDS..... 57,268 43

MISCELLANEOUS INCOME CREDITS..... 16 72

57,285 15

Total Income..... 1,109,729 92

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	57,268 43	
Miscellaneous Income Charges.....	1,764 30	
		<u>59,032 73</u>
Income Available for Interest due Public.....		<u>1,050,697 19</u>

INTEREST ON DEBT TO THE PUBLIC..... 65,719 25

984,977 94

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	795,951 67	
		<u>995,951 67</u>

Net Income Deficit..... \$ 10 973 73

Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1943

HARBOUR OF SAINT JOHN

19

ASSETS

Fixed—	
Harbour Dredging.....	\$ 955,090 54
Real Estate.....	1,758,867 14
Vehicular Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,969 66
Wharves and Piers.....	14,602,590 22
Permanent Sheds.....	2,535,331 09
Shed Hoists and Electric Cranes.....	19,282 52
Railway System.....	192,660 57
Grain Elevator System.....	3,989,094 33
Office Furniture and Appliances.....	7,376 45
Harbour Buildings.....	29,409 57
Central Heating Plants.....	65,256 80
Water Supply System.....	14,315 67
Floating Equipment.....	47,855 80
Shore Equipment.....	25,824 46
Miscellaneous Small Plant.....	3,491 31
Works under Construction.....	151,869 29
	<u>\$24,579,362 79</u>

CURRENT—

Cash—Receiver General of Canada	\$ 202,523 07
Cash—On Hand.....	200 00
Accounts Receivable.....	202,723 07
Less—Reserve for Bad Debts.....	99,453 24
	<u>200 18</u>
Advances due on Capital Account.....	99,253 06
Stores on Hand.....	262 13
Accrued Revenue.....	25,868 12
	<u>49,268 46</u>
	377,374 84

REPLACEMENT FUND.....	1,752,434 48
FIRE AND GENERAL INSURANCE FUND.....	89,310 29
PREPAID CHARGES.....	209 46
DEFERRED DEBITS.....	1,117 54
	<u>\$26,799,809 40</u>

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$1,305,682 35
DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$16,998,881 56
Expenditure under Appropriations.....	6,503,767 03
Government Loans Applied for—Contra.....	262 13
	<u>23,502,910 72</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	61,597 29
CONTRACTOR HOLDBACKS—CONSTRUCTION.....	4,792 80
CURRENT—	
Accounts Payable.....	24,464 16
Salaries Wages Payable.....	5,542 43
Matured Interest Unpaid—	
Due Public.....	\$ 1,672 53
Due Dominion Government.....	7,008,453 61
Accrued Interest due Public.....	7,010,126 14
Contractors' Holdbacks—Maintenance.....	20,454 76
Unclaimed Wages.....	3,642 84
Matured Debentures due Public.....	3 75
	<u>500 00</u>
	7,064,734 08
RESERVES—	
Replacement.....	1,752,434 48
Fire and General Insurance.....	89,339 06
Harbour Dredging Maintenance.....	33,175 79
	<u>1,874,949 33</u>
DEFERRED CREDITS.....	9,335 51
	<u>33,824,002 08</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1942.....	7,011,641 45
Adjustments in 1943.....	1,577 50
Net Income Deficit for 1943.....	10,973 73
	<u>7,024,192 68</u>
	<u>\$26,799,809 40</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 120 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 30 feet draft, a concrete fireproof shed, 400 feet by 60 feet, a frame shed, 150 feet by 40 feet, and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$14,271. The principal items were repairs to west end wooden wharf, rock protection work at the site of the old landing wharf and track maintenance.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$32,017, as compared with \$30,067 in 1942. Expenses of operation and maintenance were \$25,880, the corresponding figure in 1942 being \$16,887.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$212,017, as compared with a deficit of \$204,790 in 1942.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—			
Harbour General.....	\$	792 30	
Wharves and Piers.....		25,746 59	
Permanent Sheds.....		4,672 84	
Miscellaneous—Outsiders.....		805 05	
			\$ 32,016 78
OPERATING EXPENSES—			
Administration.....		6,269 39	
Operation and Maintenance—			
Harbour General.....	\$	4,309 78	
Roads, Fences and Boundaries.....		322 38	
Wharves and Piers.....		11,015 52	
Permanent Sheds.....		1,140 12	
Railway System.....		2,703 97	
Miscellaneous—Outsiders.....		119 14	
		19,610 91	25,880 30
Operating Income.....			6,136 48
INCOME RECEIVED FROM RESERVE FUNDS.....			
		1,693 35	
MISCELLANEOUS INCOME CREDITS.....		51	
			1,693 86
Total Income.....			7,830 34
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Income Received from Reserve Funds transferred to Reserves.....		1,693 35	
Miscellaneous Income Charges.....		744 88	
			2,438 23
			5,392 11
OTHER INCOME REQUIREMENTS—			
Reserve for Replacements.....		30,000 00	
Interest due Dominion Government.....		187,409 42	
			217,409 42
Net Income Deficit.....	\$		212,017 31

Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS

FIXED—	
Harbour Dredging.....	\$ 467,172 01
Real Estate.....	35,625 67
Roads, Fences and Boundaries.....	115,905 96
Sewers and Drains.....	165,633 09
Wharves and Piers.....	3,288,329 54
Permanent Sheds.....	124,083 29
Railway System.....	38,599 51
Office Furniture and Appliances.....	3,579 37
Electric Power System.....	3,915 37
Water Supply System.....	16,815 64
Floating Equipment.....	28,704 81
Shore Equipment.....	409 18
Miscellaneous Small Plant.....	1,228 73
Engineering—General Surveys.....	18,375 66
	<u>\$ 4,308,397 83</u>

CURRENT—

Cash—Receiver General of Canada	\$ 16,164 89
Cash—On Hand.....	1,709 21
Accounts Receivable.....	17,874 10
Stores on Hand.....	1,596 22
	<u>3,377 83</u>

22,848 15

REPLACEMENT FUND.

52,878 14

FIRE AND GENERAL INSURANCE FUND.

6,539 72

PREPAID CHARGES.....

612 14

\$ 4,391,275 98

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$ 3,838,060 26
Expenditure under Appropriations.....	485,398 32
	<u>\$ 4,323,458 58</u>

CURRENT—

Accounts Payable.....	1,618 92
Salaries, Wages Payable.....	10 29
Matured Interest due Dominion Government.....	2,164,272 82
Unclaimed Wages.....	22 30
	<u>2,165,924 33</u>

RESERVES—

Replacement.....	242,878 14
Fire and General Insurance.....	6,539 72
	<u>249,417 86</u>

DEFERRED CREDITS.....

1,018 56

6,739,819 33

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1942.....	2,136,526 04
Net Income Deficit for 1943.....	212,017 31
	<u>2,348,543 35</u>

\$ 4,391,275 98

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 32 miles of standard gauge terminal railway, connected with both Canadian railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also, a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 75 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$170,749, including \$37,773 expended for maintenance dredging in the St. Charles River estuary. The principal items, in addition to the dredging, were reconstruction of railway snow plow, railway track repairs, painting steelwork of the grain elevator system, repairs to locomotive crane no. 10 and installation of sanitary facilities at shed 29.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$762,645, as compared with \$620,030 in 1942, an increase of \$142,615. Operating and maintenance expenses were \$643,458, as against \$760,012 in 1942, a decrease of \$116,554. Operating income, before capital charges, amounted to \$116,678, as compared with a deficit of \$132,980 in 1942.

Net income deficit, after all charges, was \$1,311,539, the corresponding figure for the preceding year being \$1,561,532.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—

Harbour General.....	31,973 44	
Wharves and Piers.....	178,924 81	
Permanent Sheds.....	116,765 10	
Railway System.....	106,409 00	
Grain Elevator System.....	77,986 78	
Cold Storage System.....	96,750 59	
Miscellaneous—Outsiders.....	153,834 80	
		\$ 762,644 52

OPERATING EXPENSES—

Administration.....	82,004 82	
Operation and Maintenance—		
Harbour Dredging.....	\$ 37,772 95	
Harbour General.....	79,735 29	
Vehicular Bridges.....	3,509 87	
Roads, Fences and Boundaries.....	7,144 73	
Sewers and Drains.....	542 80	
Wharves and Piers.....	31,544 89	
Permanent Sheds.....	21,358 40	
Railway System.....	117,486 33	
Grain Elevator System.....	95,058 19	
Cold Storage System.....	78,458 55	
Miscellaneous—Outsiders.....	88,841 59	
	561,453 59	643,458 41
Operating Income.....		119,186 11

INCOME RECEIVED FROM RESERVE FUNDS..... 4,365 45

MISCELLANEOUS INCOME CREDITS..... 3,256 11
 7,621 56
 126,807 67

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	4,365 45	
Reserve for Bad Debts.....	134 28	
Miscellaneous Income Charges.....	5,630 32	
		10,130 05
		116,677 62

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	1,228,216 22	
		1,428 216 22

Net Income *Deficit*.....\$ 1,511,538 60

Harbour of Quebec BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS

FIXED—	
Harbour Dredging.....	\$ 3,940,865 55
Real Estate.....	290,482 99
Vehicle Bridges.....	172,227 25
Roads, Fences and Boundaries.....	129,167 35
Sewers and Drains.....	293,022 25
Miscellaneous Structures.....	134,603 77
Wharves and Piers.....	13,144,736 24
Permanent Sheds.....	3,275,963 63
Shed Hoists.....	12,000 00
Railway System.....	874,431 82
Grain Elevator System.....	3,743,358 72
Cold Storage System.....	718,945 44
Office Furniture and Appliances.....	15,106 58
Harbour Buildings.....	196,735 26
Central Heating Plants.....	11,300 46
Harbour Shops.....	33,669 37
Electric Power System.....	58,359 64
Water Supply System.....	30,318 48
Floating Equipment.....	105,743 85
Shore Equipment.....	62,016 39
Miscellaneous Small Plant.....	9,105 90
Sundry Expenditure (Undistributed).....	1,621,453 70
	<u>\$28,873,624 64</u>

CURRENT—	
Cash—Receiver General of Canada\$	97,069 26
Cash—On Hand.....	1,965 25
	<u>99,034 51</u>
Accounts Receivable.....	165,196 96
Less—Reserve for Bad Debts.....	<u>1,127 38</u>
Stores on Hand.....	164,069 58
Accrued Revenue.....	33,135 67
Other Assets.....	3,839 95
	<u>300,240 16</u>

SECURITY DEPOSITS.....	400 00
REPLACEMENT FUND.....	99,984 77
FIRE AND GENERAL INSURANCE FUND.....	74,357 55
PREPAID CHARGES.....	3,692 12
DEFERRED DEBITS.....	200 00
	<u>\$29,352,499 04</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$27,765,994 73
Expenditure under Appropriations.....	<u>2,592,677 67</u>
	<u>\$30,358,672 40</u>
CURRENT—	
Accounts Payable.....	21,142 01
Salaries and Wages Payable.....	10,075 26
Matured Interest due Dominion Government.....	27,064,168 93
Undaimed Wages.....	<u>15 62</u>
	<u>27,095,401 82</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	400 00
RESERVES—	
Replacement.....	1,609,984 77
Fire and General Insurance.....	<u>74,380 36</u>
	<u>1,684,365 13</u>
DEFERRED CREDITS.....	4,800 44
	<u>59,143,639 79</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1942.....	28,455,652 15
Adjustments in 1943.....	<u>23,950 00</u>
Net Income Deficit for 1943.....	<u>1,311,558 60</u>
	<u>29,791,140 75</u>
	<u>\$29,352,499 04</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include 3 main wharves having some 7,400 linear feet of berthing with a minimum water depth of 30 feet alongside and 9 transit sheds with a total floor area of about 192,000 square feet.

MAINTENANCE AND CAPITAL WORKS

Ordinary maintenance and repairs were carried out at a total cost of \$831, including filling depressions at various sections of the wharves, placing sheathing in front of shed 1A and repairs to St. Angele wharf. Expenditure on capital account amounted to \$681 for costs incurred in the installation of fire alarm boxes during the previous year.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$199,024, as compared with \$185,738 in 1942, an increase of \$13,286. Operating and maintenance expenses were \$18,011, as against \$22,603 in 1942, a decrease of \$4,592.

After payment of interest on debt to the public and charging reserve for replacements and interest due the Dominion Government, there was a net income deficit of \$76,170, the corresponding deficit in 1942 being \$94,030.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—			
Harbour General.....	\$	5,903 68	
Wharves and Piers.....		140,657 24	
Permanent Sheds.....		51,012 75	
Miscellaneous—Outsiders.....		1,449 85	
		<u>\$</u>	199,023 52
OPERATING EXPENSES—			
Administration.....		12,355 53	
Operation and Maintenance—			
Harbour General.....	2,779 87		
Roads, Fences and Boundaries.....	705 98		
Wharves and Piers.....	255 72		
Permanent Sheds.....	2,161 75		
Railway System.....	492 42		
Miscellaneous—Outsiders.....	245 07		
		<u>5,655 97</u>	
			18 011 50
Operating Income.....			181,012 02
INCOME RECEIVED FROM RESERVE FUNDS.....			19,317 88
Total Income.....			<u>200,329 90</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Income Received from Reserve Funds transferred to Reserve.....	19,317 88		
Reserve for Bad Debts.....	200 00		
Miscellaneous Income Charges.....	178 05		
		<u></u>	19,695 93
Income Available for Interest due Public.....			180,633 97
INTEREST ON DEBT TO THE PUBLIC.....			8,712 00
			<u>171,921 97</u>
OTHER INCOME REQUIREMENTS—			
Reserve for Replacements.....	70,000 00		
Interest due Dominion Government.....	178,092 04		
		<u></u>	248,092 04
Net Income Deficit.....	\$		<u><u>76,170 07</u></u>

Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS		LIABILITIES	
FIXED—		DEBENTURE INDEBTEDNESS TO PUBLIC.....	
Real Estate.....	\$ 1,204,777 00		\$ 158,400 00
Roads, Fences and Boundaries.....	60,384 26		
Miscellaneous Structures.....	1,281 16		
Wharves and Piers.....	5,780,047 59		
Permanent Sheds.....	797,702 07		\$ 3,821,816 27
Railway System.....	26,611 43	Loans and Advances (Interest bearing).....	590,857 27
Office Furniture and Appliances.....	1,739 95	Expenditure under Appropriations.....	4,412,673 54
Electric Power System.....	11,512 44		
Water Supply System.....	10,804 44		
Miscellaneous—Small Plant.....	326 90		
	<u>\$ 7,895 277 24</u>		
CURRENT—		CURRENT—	
Cash—Receiver General of Canada.....	\$ 89,925 87	Accounts Payable.....	2,631 72
Cash—On Hand.....	436 72	Matured Interest Unpaid—	
Cash in Bank—Coupon Account.....	93 50	Due Public.....	\$ 93 50
		Due Dominion Government..	1,279,726 72
Accounts Receivable.....	2,563 52	Accrued Interest due Public.....	1,279,820 22
Less—Reserve for Bad Debts.....	1,400 00	Unclaimed Wages.....	4,332 58
Stores on Hand.....	951 62		0 75
	<u>90,456 09</u>		1,286,785 27
		RESERVES—	
		Replacement.....	640,428 60
		Fire and General Insurance.....	21,296 93
			<u>661,725 53</u>
		DEFERRED CREDITS.....	26,139 74
	92,571 23		<u>6,545,724 08</u>
REPLACEMENT FUND.....	640,371 07	SURPLUS AND DEFICIT ACCOUNT—	
FIRE AND GENERAL INSURANCE FUND.....	21,296 93	Surplus as at December 31, 1942.....	2,182,253 34
PREPAID CHARGES.....	21 89	Deduct—	
DEFERRED DEBTS.....	2,268 99	Net Income Deficit for 1943.....	76,170 07
	<u>\$ 8,651,807 35</u>		<u>2,106,083 27</u>
			<u>\$ 8,651,807 35</u>

HARBOUR OF MONTREAL

The harbour of Montreal is situated on the St. Lawrence river approximately 1,000 miles inland from the Atlantic coast, and is reached by ocean shipping through a dredged channel having a minimum depth of $32\frac{1}{2}$ feet, now being completed to 35 feet. It is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 105 berths, totalling about 10 miles of berthing accommodation; 26 transit sheds, with an aggregate floor area of over 2,063,000 square feet; also 4 grain elevators, with a total storage capacity of over 15,000,000 bushels, and $3\frac{1}{2}$ miles of grain conveyer galleries; and a cold storage warehouse, with a capacity of 4,628,000 cubic feet. A 75-ton capacity floating crane and 10 locomotive cranes are available.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$410,958, excluding maintenance on Jacques Cartier Bridge on which \$19,371 was expended. The larger items were repairs to railway system, grain elevator system, shore and floating equipment, wharves and piers, sheds, cold storage warehouse, harbour lighting and electric power system.

CAPITAL WORKS

Expenditures on capital and replacement works amounted to \$8,779. Principal items were as follows:

King Edward Pier.—Gaps between a number of cylinders in the substructure of King Edward pier were closed by means of steel sheet piling to prevent escape of fill material from the rear of the cylinders.

Minor Works.—These included the reconstruction of a subway at section 91, the purchase of fire fighting equipment, the purchase of storage batteries for the fire alarm system at the cold storage plant and a small amount of railway track work.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$3,786,305, as compared with \$3,797,440 in 1942, a decrease of \$11,135. Operating and maintenance expenses were \$2,039,507, as against \$2,167,596 in 1942, a decrease of \$128,089.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$1,602,765, as compared with \$1,734,429 in 1942.

The foregoing figures are exclusive of the operations of Jacques Cartier bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—

Harbour General.....	\$ 22,811 60	
Wharves and Piers.....	1,090,862 32	
Permanent Sheds.....	534,836 34	
Shed Hoists.....	46,329 42	
Railway System.....	600,797 25	
Grain Elevator System.....	622,385 97	
Cold Storage System.....	258,036 39	
Miscellaneous—Outsiders.....	610,245 68	
		<u>\$ 3,786,304 97</u>

OPERATING EXPENSES—

Administration.....	286,562 48	
Operation and Maintenance—		
Harbour Dredging.....	\$ 9,106 59	
Harbour General.....	176,848 26	
Roads, Fences and Boundaries.....	27,770 49	
Sewers and Drains.....	4,292 59	
Wharves and Piers.....	56,283 14	
Permanent Sheds.....	41,497 97	
Shed Hoists.....	30,285 81	
Railway System.....	463,457 63	
Grain Elevator System.....	359,864 62	
Cold Storage System.....	213,645 63	
Miscellaneous—Outsiders.....	369,891 91	
		<u>1,752,944 64</u>
		2,039,507 12
Operating Income.....		<u>1,746,797 85</u>

INCOME RECEIVED FROM RESERVE FUNDS..... 144,355 01

MISCELLANEOUS INCOME CREDITS..... 4,542 52

148,897 53

Total Income..... 1,895,695 38

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	144,355 01	
Miscellaneous Income Charges.....	113 32	
		<u>144,468 33</u>
		1,751,227 05

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	805,059 00	
Interest due Dominion Government.....	2,548 933 13	
		<u>3,353,992 13</u>
Net Income <i>Deficit</i>		<u>\$1,602,765 08</u>

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1943

(Excluding Jacques Cartier Bridge)

ASSETS

Fixed—	
Harbour Dredging.....	\$ 5,564,416 49
Real Estate.....	2,210,611 46
Roads, Fences and Boundaries.....	780,882 46
Sewers and Drains.....	144,313 52
Miscellaneous Structures.....	397,034 69
Wharves and Piers.....	24,922 137 07
Permanent Sheds.....	6,707,238 75
Shed Hoists.....	6,236,972 88
Railway System.....	4,082,162 28
Grain Elevator System.....	15,621,332 49
Cold Storage System.....	3,012,239 36
Office Furniture and Appliances.....	37,802 38
Harbour Buildings.....	292,694 79
Central Heating Plants.....	14,579 46
Harbour Shops.....	285,071 44
Electric Power System.....	979,643 64
Water Supply System.....	163,997 31
Floating Equipment.....	765,917 14
Shore Equipment.....	381,229 71
Works under Construction.....	56,438 44
	<u>\$66,656 715 76</u>

CURRENT—	
Cash—Receiver General of Canada. \$ 642,351 18	
Cash—On Hand.....	170 00
	<u>642,521 18</u>
Accounts Receivable.....	442,018 03
Less—Reserve for Bad Debts.....	1,371 22
	<u>440,646 81</u>
Stores on Hand.....	247,517 70
Accrued Revenue.....	131,659 34
Other Assets.....	1,515 05
	<u>1,463,860 08</u>

SECURITY DEPOSITS.....	96,077 60
REPLACEMENT FUND.....	4,456,581 59
FIRE AND GENERAL INSURANCE FUND.....	479,151 12
PREPAID CHARGES.....	9,840 12
DEFERRED DEBITS.....	2,616 51
	<u>\$73,164,842 78</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$59,996 867 85
Expenditure under Appropriations.....	4,601 910 34
	<u>\$64,598,778 19</u>

ACCOUNTS PAYABLE—CONSTRUCTION.....	3,198 70
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CURRENT—	
Accounts Payable.....	79,511 84
Salaries and Wages Payable.....	35,500 49
Matured Interest due Dominion Government.....	11,512,028 23
Unclaimed Wages.....	330 40
	<u>11,627,370 96</u>

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	96,077 60
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RESERVES—	
Replacement.....	4,456,761 08
Fire and General Insurance.....	479,323 72
	<u>4,936,084 80</u>

DEFERRED CREDITS.....	72,405 20
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SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1942.....	6,568,423 33
Net Income Deficit for 1943.....	1,602,765 08
	<u>81,333 915 45</u>

Deduct—	
Adjustments in 1943.....	2,115 74
	<u>8,169,072 67</u>

	<u>\$73,164,842 78</u>
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JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge at the harbour of Montreal during the calendar year 1943, with comparisons for 1942:—

Classification	1943 Revenue Passages	1942 Revenue Passages
Passengers in vehicles.....	7,876,463	7,381,138
Automobiles (passenger).....	1,596,200	1,739,515
Trucks.....	336,296	372,489
Buses.....	62,700	43,146
All others.....	11,674	12,042
Total.....	9,883,333	9,548,330

REVENUES AND EXPENDITURES

Consequent upon a reduction in the number of vehicles passing over the bridge, revenues declined from \$537,406 in 1942 to \$520,121 in 1943, a difference of \$17,285. Operating and maintenance expenses were slightly lower, at \$97,020 in 1943, as compared with \$102,903 in the previous year.

After making provision for interest on bonds, reserves for depreciation and replacements, and other charges against income, there was a net income deficit of \$1,113,958, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and City of Montreal. The corresponding net income deficit in 1942 was \$1,083,519.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUE—

Bridge Tolls Collected.....	\$ 508,742 79	
Sundry Receipts.....	11,377 83	
		\$ 520,120 62

OPERATING EXPENSES—

Administration.....	22,977 08	
Operation.....	54,672 33	
Maintenance.....	19,370 98	
		97,020 39
Operating Income.....		423,100 23

INCOME RECEIVED FROM RESERVE FUNDS..... 13,632 79

MISCELLANEOUS INCOME CREDITS.....	142 94	
		13,775 73
Total Income.....		436,875 96

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	13,632 79	
Trustees' Fees, Commissions, etc.....	106,652 66	
Bond Discount.....	8,846 16	
		129,131 61
Income Available for Interest due Public.....		307,744 35

INTEREST ON DEBT TO THE PUBLIC.....	950,000 00	
		642,255 65

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	42,600 00	
Reserve for Depreciation.....	166,156 20	
Interest due Dominion Government.....	262,945 95	
		471,702 15
		1,113,957 80

Deduct—

Proportion of Deficit Payable by:

Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
		300,000 00

Net Income Deficit.....	\$ 813,957 80
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PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with a storage capacity of 5,500,000 bushels with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$15,747. The major items were repairs to electrical equipment, lofters, conveyors, drying equipment and railway trackage.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$112,692, as compared with \$233,719 in 1942, the decrease being \$121,027. Operating and maintenance expenditures were \$74,418, as against \$82,400 in the previous year, a decrease of \$7,982.

Net income surplus in 1943 was \$41,285, as against \$150,356 in the previous year, the decrease being \$109,071. No charge for interest or depreciation is made in the accounts of this elevator.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—

Harbour General.....	\$ 268 00	
Wharves and Piers.....	7,339 93	
Railway System.....	172 00	
Grain Elevator System.....	104,911 93	
	<u> </u>	\$ 112,691 86

OPERATING EXPENSES—

Administration.....	10,303 14	
Operation and Maintenance.....	64,115 13	
	<u> </u>	74,418 27
Operating Income.....		38,273 59

MISCELLANEOUS INCOME CREDITS.....	3,437 85
Total Income.....	<u> </u> 41,711 44

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Miscellaneous Income Charges.....	425 94
Net Income Surplus.....	<u> </u> \$ 41,285 50

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Wharves and Piers.....	\$ 961,260 11	Expenditure under Appropriations.....	\$ 4,903,824 76
Railway System.....	373,248 47		
Grain Elevator System.....	3,568,496 58		
Office Furniture and Appliances.....	3,357 72	CURRENT—	
Miscellaneous Small Plant.....	2,429 46	Accounts Payable.....	4,370 25
	<u>\$ 4,908,792 34</u>	Salaries and Wages Payable.....	817 50
		Unclaimed Wages.....	34
			<u>5,188 09</u>
		DEFERRED CREDITS.....	<u>93 81</u>
CURRENT—			<u>4,909,106 66</u>
Cash—Receiver General of Canada \$43,959 24		SURPLUS AND DEFICIT ACCOUNT—	
Cash—On Hand.....	71 63	Surplus as at December 31, 1942.....	182,009 58
Accounts Receivable.....	44,030 87	Net Income Surplus for 1943.....	41,285 50
Stores on Hand.....	9,730 84		<u>223,295 08</u>
Accrued Revenue.....	7,935 01	Deduct—	
Other Assets.....	5,618 22	Adjustments in 1943.....	\$ 402 60
	<u>5,511 90</u>	Payment to Dominion Gov- ernment on account of Sur- plus Earnings.....	150,355 98
			<u>72,536 50</u>
PREPAID CHARGES.....	<u>23 98</u>		
	<u>\$ 4,981,643 16</u>		<u>\$ 4,981,643 16</u>

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$15,389. The major items were overhauling automatic scales, drying and varnishing stator coils on conveyer motors, repairs to car haul, and general repairs to vessel shovel gear, marine legs, lofters, building structure, inside electrical circuits and vessel loading spouts.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$129,905, as compared with \$171,281 in 1942. Operating and maintenance expenses were \$74,153, the corresponding figure for 1942 being \$73,100.

Net income surplus for 1943 was \$56,620, as against \$97,859 in the previous year, a decrease of \$41,239. No charge is made in the accounts of this facility for interest or depreciation on physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—	
Grain Elevator System.....	\$ 129,905 18
OPERATING EXPENSES—	
Administration.....	\$ 13,029 92
Operation and Maintenance.....	61,123 30
	<hr/> 74,153 22
Operating Income.....	55,751 96
MISCELLANEOUS INCOME CREDITS.....	
	1,968 67
Total Income.....	<hr/> 57,720 63
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Miscellaneous Income Charges.....	1,100 64
Net Income Surplus.....	<hr/> <hr/> \$ 56,619 99

Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS

FIXED—	
Real Estate.....	\$ 21,875 80
Wharves and Piers.....	533,644 00
Railway System.....	42,189 22
Grain Elevator System.....	1,765,427 02
Office Furniture and Appliances.....	2,979 81
Miscellaneous—Small Plant.....	13,296 39
	<u>\$ 2,379 412 24</u>

CURRENT—	
Cash—Receiver General of Canada \$59,753 60	
Cash—On Hand.....	325 00
Accounts Receivable.....	60,078 60
Stores on Hand.....	21,423 22
	<u>25,537 83</u>
	107,039 65

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Expenditure under Appropriations.....	\$ 2,356,217 60

CURRENT—	
Accounts Payable.....	1,317 71
Salaries and Wages Payable.....	231 57
	<u>1,549 28</u>

\$ 2,357,766 88

SURPLUS AND DEFICIT ACCOUNT—	
Surplus as at December 31, 1942.....	169,946 22
Net Income Surplus for 1943.....	56,619 99
	<u>226,566 21</u>

Deduct—	
Payment to Dominion Government on account of Surplus Earnings.....	97,858 99
	<u>128,707 22</u>

PREPAID CHARGES.....	22 21
	<u>\$ 2,486,474 10</u>

HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, a locomotive crane of 20 tons capacity, a floating crane of 10 tons capacity, shear legs of 35 tons capacity and a marine slipway capable of handling boats up to 1,200 tons weight.

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$16,232. The major items were completion of repairs to elevator bin walls, inspection and overhaul of electrical equipment and maintenance of floating equipment.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$95,860, as compared with \$144,783 in 1942, a decrease of \$48,923. Expenditures on account of operation and maintenance decreased from \$139,348 in 1942 to \$132,372 in 1943, a difference of \$6,976.

After taking into account income credits and debits, there was a net income deficit of \$29,848, as compared with a surplus of \$7,310 realized in 1942, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—			
Harbour General.....	\$	299 00	
Wharves and Piers.....		808 20	
Permanent Sheds.....		840 29	
Grain Elevator System.....		57,657 25	
Miscellaneous—Outsiders.....		36,255 05	
		<u>\$</u>	95,859 79
OPERATING EXPENSES—			
Administration.....		23,098 96	
Operation and Maintenance—			
Harbour Dredging.....	\$	4,182 39	
Harbour General.....		14,526 09	
Roads, Fences and Boundaries.....		943 75	
Wharves and Piers.....		704 47	
Permanent Sheds.....		392 99	
Railway System.....		1,673 10	
Grain Elevator System.....		58,587 13	
Miscellaneous—Outsiders.....		28,263 38	
		<u>109,273 30</u>	
			<u>132,372 26</u>
Operating Deficit.....			36,512 47
MISCELLANEOUS INCOME CREDITS.....			
			<u>7,057 85</u>
			29,454 62
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Miscellaneous Income Charges.....			<u>34 04</u>
			29,488 66
OTHER INCOME REQUIREMENTS—			
Interest due Dominion Government.....			<u>359 06</u>
Net Income Deficit.....	\$		<u><u>29,847 72</u></u>

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS

FIXED	
Harbour Dredging.....	\$ 1,180,299 95
Real Estate.....	60,277 58
Miscellaneous Structures.....	173,228 40
Wharves and Piers.....	1,367,768 68
Permanent Sheds.....	200,594 74
Railway System.....	32,732 20
Grain Elevator System.....	4,133,460 34
Harbour Buildings.....	147,300 05
Harbour Shops.....	13,299 71
Electric Power System.....	19,491 34
Water Supply System.....	407,897 10
Floating Equipment.....	872,245 03
Miscellaneous Small Plant.....	426,663 46
Engineering—General Surveys.....	109,441 06
Sundry Expenditure (Undistributed).....	3,659,933 68
	<u>\$12,804,633 32</u>

CURRENT—	
Cash—Receiver General of Canada\$	6,910 86
Cash—On Hand.....	392 06

Accounts Receivable.....	7,302 92
Stores on Hand.....	182,230 29
Accrued Revenue.....	52,938 15
	<u>61,182 94</u>

303,654 30

PREPAID CHARGES.....

634 39

DEFERRED DEBITS.....

55,490 09

\$13,164,412 10

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$ 10,258 98
Expenditure under Appropriations.....	12,988,331 50
	<u>\$12,998,590 48</u>

CURRENT—

Working Capital Advances.....	140,000 00
Accounts Payable.....	37,609 20
Salaries and Wages Payable.....	4,216 93
Matured Interest due Dominion Government..	359 06
Unclaimed wages.....	12 20
	<u>182,197 39</u>

DEFERRED CREDITS.....

4,928 09

13,185,715 96**SURPLUS AND DEFICIT ACCOUNT—**

Surplus as at December 31, 1942.....	31,691 78
Govt. Grant re 1943 Deficit.....	29,488 66
	<u>61,180 44</u>

Deduct—

Payment to Dom. Govt. on a/c	
Surplus earnings.....	\$ 6,065 33
Adjustment in 1943.....	46,571 25
Net Income Deficit for 1943..	29,847 72

82,484 30

\$13,164,412 10

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year round has a minimum depth of 35 feet. The Board has 3 piers, a wharf and 2 jetties, having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,816,500 bushels, a combined loading capacity of about 200,000 bushels per hour and $1\frac{1}{2}$ miles of conveyer galleries. Besides, there are provided storage tanks with a capacity of over 470,000 imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish.

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$103,787, excluding maintenance of Second Narrows Bridge, upon which \$18,529 was expended. The principal items were relocation of grain spout winches on No. 1 jetty, repairs to the main float at the Fish wharf, wiring of cranes, Ballantyne pier, progressive deck renewal at the Fish wharf, painting of sheds and grain gallery steel work and track maintenance.

CAPITAL WORKS

Capital expenditure, provided in part from Replacement Fund, amounted to \$12,475, the principal items being the renewal of decking of east quay approach to No. 1 jetty, the replacement of main ramp at the Fish wharf, the replacement of foundations and cat-walks at the oil handling plant, Lapointe pier, and the installation of a water main at North Vancouver.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,736,960, as compared with \$1,567,977 in 1942, an increase of \$167,983. Operating and maintenance expenditures showed an increase of \$82,428, the comparable figures being \$670,930 in 1943 and \$588,502 in 1942.

After taking into account income credits and debits and making provision for replacements and interest due the Dominion Government, there was a net income deficit of \$379,572, as compared with a deficit of \$468,350 in 1942.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—

Harbour General.....	\$ 805,513 43	
Wharves and Piers.....	149,584 18	
Permanent Sheds.....	222,600 78	
Railway System.....	300,915 44	
Grain Elevator System.....	230,011 44	
Cold Storage System.....	25,603 20	
Miscellaneous—Outsiders.....	2,731 06	
		<u>\$ 1,736,959 53</u>

OPERATING EXPENSES—

Administration.....		104,046 99	
Operation and Maintenance—			
Harbour General.....	\$ 205,367 32		
Roads, Fences and Boundaries.....	296 53		
Wharves and Piers.....	57,526 21		
Permanent Sheds.....	75,562 98		
Sheds Hoists.....	613 30		
Railway System.....	200,452 69		
Grain Elevator System.....	7,624 22		
Cold Storage System.....	16,709 18		
Miscellaneous—Outsiders.....	2,731 06		
		<u>566,883 49</u>	
			<u>670,930 48</u>
Operating Income.....			1,066,029 05

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 128,153 66

MISCELLANEOUS INCOME CREDITS.....	41,148 74	
		<u>169,302 40</u>
Total Income.....		<u>1,235,331 45</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income Received from Reserve Funds transferred to Reserves.....	127,586 24	
Reserve for Bad Debts.....	4,234 69	
		<u>131,820 93</u>
		<u>1,103,510 52</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	250,000 00	
Interest due Dominion Government.....	1,233,082 18	
		<u>1,483,082 18</u>
Net Income Deficit.....	\$ 379,571 66	

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS

FIXED—	
Real Estate.....	\$ 6,638,615 36
Vehicular Bridges.....	98,181 20
Roads, Fences and Boundaries.....	234,491 77
Miscellaneous Structures.....	10,568 83
Wharves and Piers.....	7,931,144 34
Permanent Sheds.....	1,437,356 96
Railway System.....	1,331,455 31
Grain Elevator System.....	6,572,482 61
Cold Storage System.....	68,682 88
Office Furniture and Appliances.....	34,347 64
Harbour Buildings.....	64,161 89
Water Supply System.....	860 25
Floating Equipment.....	50,724 45
Shore Equipment.....	248,981 66
Miscellaneous Small Plant.....	42,804 64
Engineering—General Surveys.....	3,084 89
	<u>\$24,817,944 38</u>

CURRENT—

Cash—Receiver General of Canada	\$ 323,596 71
Cash—On Hand.....	15,964 87
Accounts Receivable.....	350,862 60
Less—Reserve for Bad Debts.....	18,728 45
Stores on Hand.....	44,965 21
Accrued Revenue.....	24,236 70
	<u>740,897 64</u>

SECOND NARROWS BRIDGE—EQUITY.

INVESTMENTS.....	775,148 68
SECURITY DEPOSITS.....	44,697 92
REPLACEMENT FUND.....	10,000 00
FIRE AND GENERAL INSURANCE FUND.....	4,228,063 70
MISCELLANEOUS FUNDS.....	52,551 41
PREPAID CHARGES.....	32,625 75
	<u>3,643 36</u>
	<u>\$30,705,572 84</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$25,063,842 36
CURRENT—	
Accounts Payable.....	107,565 63
Salaries and Wages Payable.....	4,406 68
Matured Interest due Dominion Government...	4,584,499 72
Unclaimed Wages.....	377 62
	<u>4,696,849 65</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	10,000 00

RESERVES—

Replacement.....	4,228,063 70
Fire and General Insurance.....	52,571 55
Miscellaneous.....	18,957 42
	<u>4,299,592 67</u>

DEFERRED CREDITS AND SUSPENSE ACCOUNT.

	151,139 87
	<u>34,221,474 55</u>

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1942.....	3,136,330 05
Net Income Deficit for 1943.....	379,571 66
	<u>\$,515,901 71</u>
	<u>\$30,705,572 84</u>

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge at the harbour of Vancouver during the calendar year 1943, with comparisons for 1942:—

Classification	1943 Revenue Passages	1942 Revenue Passages
Passengers in vehicles, and Pedestrians.....	2,314,973	2,401,967
Automobiles (passenger).....	713,982	787,493
Trucks (including buses).....	114,400	141,889
All others.....	605	835
Total.....	3,143,960	3,332,184

REVENUES AND EXPENDITURES

Operating revenues amounted to \$144,645, as compared with \$161,535 in 1942, a decrease of \$16,890. Operating and maintenance expenses were \$61,024, as against \$58,193 in 1942, an increase of \$2,831.

After charging interest on debt to Vancouver harbour and reserve for replacements, the bridge showed a surplus for the year of \$36,923, as compared with \$53,793 in 1942.

The sum of \$40,507 was applied in reduction of indebtedness incurred for the reconstruction of the bridge, bringing to \$235,259 the amount repaid from earnings. Indebtedness outstanding at December 31, 1943, amounted to \$775,149, of which \$101,683 represented matured instalments.

INCOME STATEMENT FOR THE CALENDAR YEAR 1943

OPERATING REVENUES—	
Bridge Tolls.....	\$ 140,979 38
Sundry Receipts.....	3,665 50
	<u>\$ 144,644 88</u>
OPERATING EXPENSES—	
Administration.....	3,065 20
Operation.....	39,429 52
Maintenance.....	18,529 25
	<u>61,023 97</u>
Operating Income.....	83,620 91
INCOME RECEIVED FROM RESERVE FUNDS.....	1,837 14
Total Income.....	<u>85,458 05</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—	
Income received from Reserve Funds transferred to Reserve.....	1,837 14
	<u>83,620 91</u>
INTEREST ON DEBT TO VANCOUVER HARBOUR.....	40,782 79
	<u>42,838 12</u>
OTHER INCOME REQUIREMENTS—	
Reserve for Replacements.....	5,915 17
Operating Surplus (Before providing for instalments of principal).....	<u>\$ 36,922 95</u>

Second Narrows Bridge—Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS

FIXED—

Capital Cost-Reconstruction of Bridge.....\$ 1,010,407 80

Office Furniture and Appliances.....507 47

CURRENT—

Cash—On Hand.....\$ 711 70

Accounts Receivable.....325 40

Accrued Revenue.....432 88

1,409 98

REPLACEMENT FUND.....66,528 94

PREPAID CHARGES.....2,661 82

DEFERRED DEBITS.....3,124 58

\$ 1,084,700 59

LIABILITIES

CAPITAL—
Advances from Vancouver Harbour—Unmatured Balance.....\$ 673,465 27

CURRENT—

Accounts Payable.....\$ 108 96

Ticket Liability.....4,048 97

Vancouver Harbour—Matured Instalment Un-

paid.....101,083 41

106,441 34

RESERVES—

Replacement.....

66,528 94

DEFERRED CREDITS.....

8 33

846,443 88

SURPLUS ACCOUNT (Representing Repayment of
Principal out of Income)—

Balance as at December 31, 1942.....194,752 23

Add—

Balance 1942 Operating Surplus applied to
Repayment of Principal.....6,581 53

201,333 76

Part 1943 Operating Surplus applied to Re-
payment of Principal.....33,925 36

235,259 12

Balance 1943 Operating Surplus (not yet
applied to Repayment of Principal)....2,997 59

238,256 71

\$ 1,084,700 59

This Balance Sheet is drawn up so as to reflect the terms of an Agreement, dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statement of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1943

REVENUE—

Assessments.....	\$ 134,953 39
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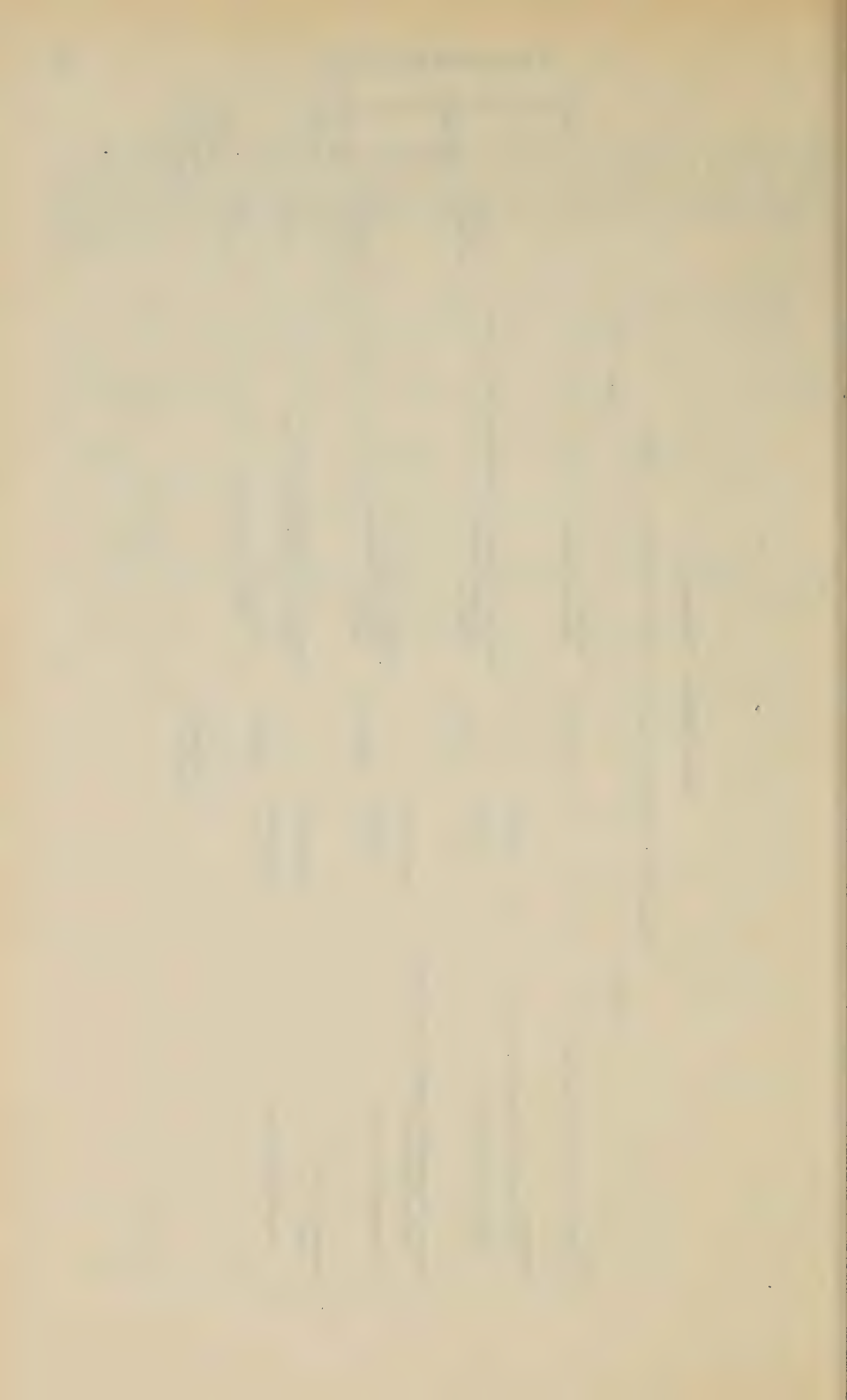
EXPENDITURE—

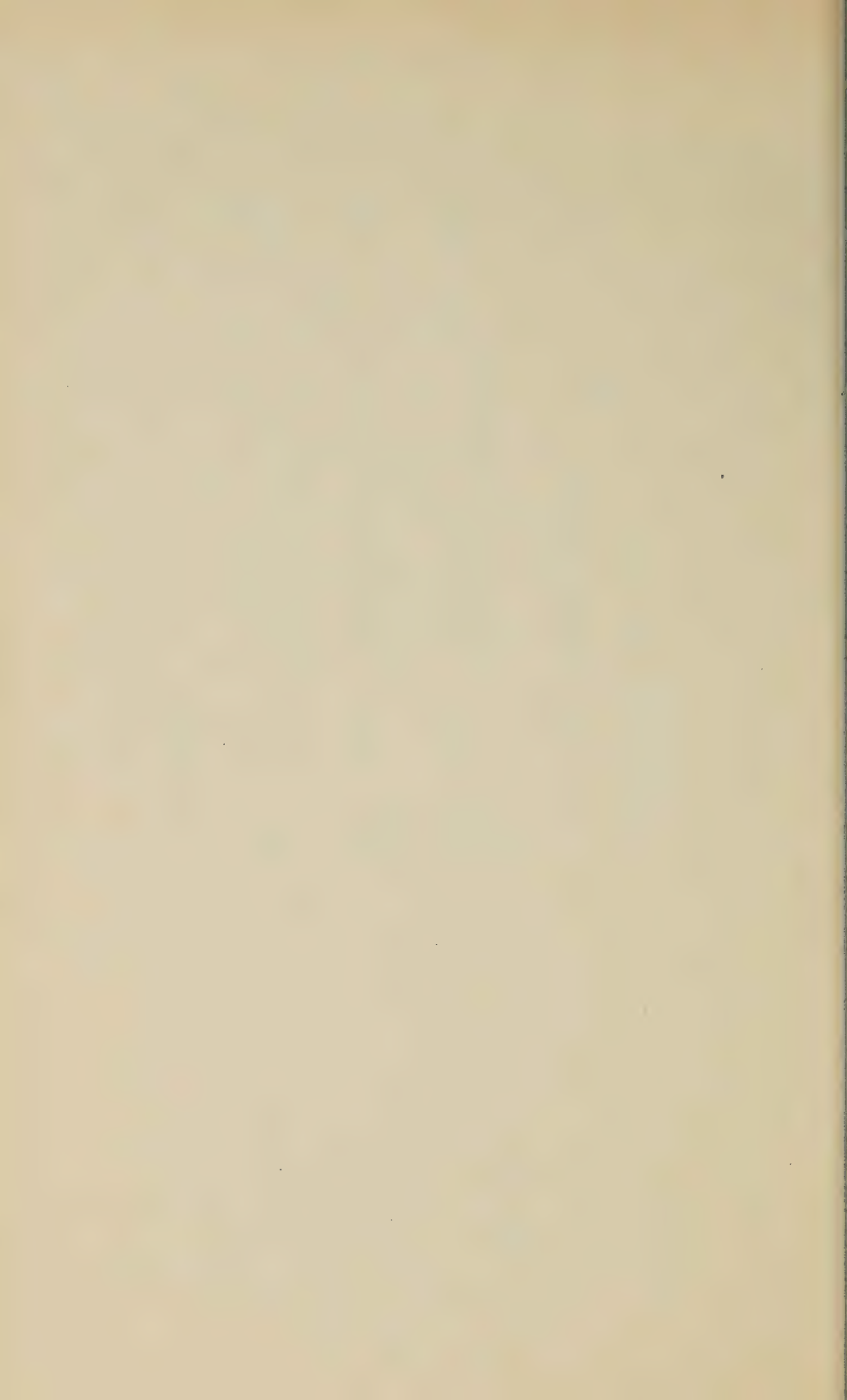
Salaries.....	\$ 103,336 37
Travelling Expenses.....	6,273 52
Advertising.....	1,346 35
Office Expenses.....	10,040 64
Treasury Office—Salaries and Expenses.....	13,956 51
	<u>\$ 134,953 39</u>

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1943

ASSETS		LIABILITIES	
FIXED—		CURRENT—	
Office Furniture and Appliances.....	\$ 3,936 73	Accounts Payable.....	\$ 1,474 02
CURRENT—		GENERAL WORKMEN'S COMPENSATION ACCOUNTS—	
Cash—Receiver General of Canada.....	\$ 1,464 02	Accounts Payable.....	\$ 13,993 85
Accounts Receivable.....	10 00	Reserve.....	232,031 85
			246,025 70
GENERAL WORKMEN'S COMPENSATION FUND—		PENSION ACCOUNTS—	
Cash and Securities.....	240,450 00	Accounts Payable.....	55 44
Accounts Receivable.....	5,575 70	Reserve.....	136,607 13
			136,662 57
PENSION FUND—			384,162 29
Cash.....	106,361 93	SURPLUS AND DEFICIT ACCOUNT—	
Accounts Receivable.....	30,300 64	Surplus as at December 31, 1942.....	3,996 88
		Deduct—	
		Adjustments in 1943.....	60 15
			3,936 73
			\$ 388,099 02





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Canada, National Harbours Board

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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1944



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1945

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OF THE
NATIONAL HARBOURS
BOARD

For Calendar Year

1944



OTTAWA
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1945

NATIONAL HARBOURS BOARD

R. K. Smith, K.C.....Chairman.
J. E. St. Laurent.....Vice-Chairman.
B. J. Roberts.....Member.

F. W. Riddell.....Executive Secretary.
C. P. Buckley.....Assistant Secretary.
E. G. Cameron.....Chief Engineer.
W. C. Perron.....Traffic Officer.

Halifax.....R. W. Hendry.....Port Manager.
Saint John.....Alex Gray.....Port Manager and Chief
Engineer.
Chicoutimi.....L. A. Dussault.....Port Manager.
Quebec.....Louis Beaudry.....Port Manager and Acting
Chief Engineer.
Three Rivers.....J. R. Larivière.....Port Manager.
Montreal.....Alex. Ferguson.....Port Manager.
Prescott.....G. T. Birch.....Superintendent.
Port Colborne.....C. A. Bennett.....Superintendent.
Churchill.....W. N. Twolan.....Port Manager.
Vancouver.....K. J. Burns.....Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, June 1, 1945.

To the Honourable LIONEL CHEVRIER, M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the ninth annual report of the National Harbours Board, covering the operations for the calendar year 1944, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING

Vessel arrivals in 1944 numbered 38,042, the aggregate net registered tonnage being 27,019,836. In 1943, the comparative figures were 39,041 vessels, aggregating 27,400,898 net registered tons. The following is a comparative statement of arrivals and departures for the last five years:

VESSELS—ARRIVALS AND DEPARTURES

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	38,042	27,019,836
1943.....	39,041	27,400,898
1942.....	43,432	32,680,820
1941.....	47,333	38,634,005
1940.....	46,100	36,658,366
<i>Departures—</i>		
1944.....	37,983	27,079,680
1943.....	39,177	27,829,502
1942.....	43,404	33,157,211
1941.....	47,228	38,685,964
1940.....	45,940	36,265,889

(Exclusive of naval vessels).

CARGO TONNAGE

In 1944, the aggregate volume of water-borne cargo tonnage, inward and outward, was 10 per cent greater than in the previous year—25,266,024 tons in 1944 as compared with 22,928,404 tons in 1943. The following statements summarize the volume of water-borne cargo tonnage in 1944 and the previous four years:

ANNUAL REPORT, 1944

CARGO TONNAGE—SUMMARY

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	6,349,777	10,261,692	16,611,469
1943.....	6,411,135	8,763,289	15,174,424
1942.....	5,740,458	8,115,814	13,856,272
1941.....	8,789,266	10,307,628	19,096,894
*1940.....	8,823,136	9,247,489	18,070,625
<i>Domestic—</i>			
1944.....	5,807,949	2,846,606	8,654,555
1943.....	5,050,093	2,703,887	7,753,980
1942.....	5,962,609	2,270,635	8,233,244
1941.....	7,841,263	2,964,361	10,805,624
*1940.....	8,443,675	3,534,202	11,977,877
<i>Total—</i>			
1944.....	12,157,726	13,108,298	25,266,024
1943.....	11,461,228	11,467,176	22,928,404
1942.....	11,703,067	10,386,449	22,089,516
1941.....	16,630,529	13,271,989	29,902,518
*1940.....	17,266,811	12,781,691	30,048,502

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

REVENUES AND EXPENDITURES

Operating revenues of all units under the administration of the Board were the highest recorded to date, amounting to \$12,538,318, as compared with \$10,861,081 in 1943. The increase was \$1,677,237, or 15 per cent. A substantial increase in the quantity of grain handled resulted in higher revenues from grain elevators, which showed gross earnings over \$800,000 higher than in 1943. Increased revenues were also obtained from wharves and piers, cargo handling, cold storage warehouses and bridge tolls.

Expenses of administration, operation and maintenance in 1944 were \$5,999,089, as against \$5,277,574 in 1943, showing an increase of \$721,515, or 14 per cent. Increased expenses were shown under grain elevators, cold storage warehouses and cargo handling—from the operations of which compensating higher revenues were obtained. Expenses of administration were higher by reason of the contribution of the Board to employees' pension fund—the amount paid in 1944 having been \$185,904.

Operating income for the year was \$6,539,229, as compared with \$5,583,507 in 1943, an increase of \$955,722, or 17 per cent.

After taking into account debits and credits to income, and charging interest and reserve for replacements, the operations for 1944 resulted in a net income deficit of \$3,097,623. The corresponding figure for 1943 was \$4,086,204. The net gain over 1943 was, therefore, \$988,581, or 24 per cent.

The operations of the Board fall into two divisions: first, the seven harbours administered by local commissioners prior to 1936, and secondly, the grain elevators at Prescott and Port Colborne and the harbour of Churchill which were entrusted to the Board for operation at the beginning of 1937. Consolidated income statements for each of these divisions are set out below.

The seven harbours referred to—Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver—had aggregate operating revenues in 1944 of \$11,969,838, as compared with \$10,522,624 in 1943. The increase was \$1,447,214, or 14 per cent. Expenses of administration, operation and maintenance increased from \$4,996,630 in 1943 to \$5,662,772 in 1944, the difference being \$666,142, or 13 per cent. Operating income rose from \$5,525,994 in 1943 to \$6,307,066 in 1944.

After taking into account miscellaneous income debits and credits and charging interest and reserve for replacements, a net income deficit of \$3,329,084 was shown for these harbours in 1944. The corresponding figure in 1943 was \$4,154,261. The improvement was, therefore, \$825,177, or 20 per cent.

The following is a comparative income statement for the seven harbours referred to for each of the years 1940 to 1944, inclusive:—

CONSOLIDATED INCOME STATEMENT

HARBOURS OF HALIFAX, SAINT JOHN, CHICOUTIMI, QUEBEC, THREE RIVERS, MONTREAL AND VANCOUVER

	1944	1943	1942	1941	1940
OPERATING REVENUES.....	\$11,969,838	\$10,522,624	\$9,867,022	\$10,739,388	\$10,034,760
OPERATING AND MAINTENANCE EXPENSES.....	5,662,772	4,996,630	4,924,933	4,650,727	4,211,597
Operating Income.....	6,307,066	5,525,994	4,942,089	6,088,661	5,823,163
MISCELLANEOUS CREDITS (Net).....	55,936	26,937	54,050	51,750	105,523
Total Income.....	6,363,002	5,552,931	4,888,039	6,036,911	5,717,635
INTEREST DUE PUBLIC.....	1,014,307	1,024,431	1,025,796	1,042,815	1,045,045
OTHER INCOME REQUIREMENTS—	5,348,695	4,528,500	3,862,243	4,994,096	4,672,590
Reserve for Replacements.....	1,940,272	1,969,730	1,964,301	1,962,227	1,965,252
Interest due Government.....	7,037,507	7,013,031	7,001,401	7,026,717	7,014,175
	8,977,779	8,982,761	8,965,702	8,988,944	8,979,427
Deduct—	3,629,084	4,454,261	5,103,459	3,994,848	4,306,837
Special Contributions to Deficits (Bridge—Montreal).....	300,000	300,000	300,000	300,000	300,000
Net Income Deficit.....	\$3,329,084	\$4,154,261	\$4,803,459	\$3,694,848	\$4,006,837

Aggregate revenues of the grain elevators of Prescott and Port Colborne and the harbour of Churchill were \$568,481 in 1944, as compared with \$338,457 in the previous year, an increase of \$230,024. Operating and maintenance expenses amounted to \$336,317, as compared with \$280,944 in 1943. The surplus of revenues over expenditures was \$231,461 in 1944 as against \$68,058 in 1943. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1944, showing also comparative figures for the preceding four years:

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1944	1943	1942	1941	1940
Operating Revenues.....	\$ 568,481	\$ 338,457	\$ 549,782	\$ 450,041	\$ 567,439
Operating and Maintenance Expenses.....	336,317	280,944	294,848	268,562	295,230
	232,164	57,513	254,934	181,479	272,209
Other Debits and Credits (Net).....	703	10,545	590	1,510	2,521
Net Income Surplus.....	\$ 231,461	\$ 68,058	\$ 255,524	\$ 179,969	\$ 269,688

The following statistical record is submitted showing operating revenues, operating expenses and operating income of each unit under the administration of the Board, together with combined totals for all units:

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Halifax.....	1935	500,936	504,851	3,915*
	1936	510,179	433,040	77,139
	1937	581,740	429,472	152,268
	1938	599,856	420,765	179,091
	1939	744,470	420,841	323,629
	1940	1,225,787	547,285	678,502
	1941	1,593,478	803,052	790,426
	1942	1,832,318	889,120	943,198
	1943	1,848,330	1,000,664	847,666
	1944	1,801,217	1,116,104	685,113
Saint John.....	1935	322,954	272,860	50,094
	1936	367,448	256,380	111,068
	1937	435,952	240,302	195,650
	1938	445,726	242,544	203,182
	1939	466,004	237,882	228,122
	1940	661,359	258,901	402,458
	1941	776,066	264,971	511,095
	1942	1,133,509	319,114	814,395
	1943	1,492,579	440,134	1,052,445
	1944	1,423,537	512,482	911,055
Chicoutimi.....	1935	13,328	20,401	7,073*
	1936	21,307	18,639	2,668
	1937	21,750	14,361	7,389
	1938	21,254	13,374	7,880
	1939	20,414	14,078	6,336
	1940	34,139	15,247	18,892
	1941	30,339	16,100	14,239
	1942	30,067	16,887	13,180
	1943	32,016	25,880	6,136
	1944	31,923	18,402	13,521
Quebec.....	1935	466,474	781,758	315,284*
	1936	482,542	673,838	191,295*
	1937	447,780	572,334	124,554*
	1938	488,013	537,316	49,305*
	1939	469,424	492,203	22,779*
	1940	684,988	504,078	180,910
	1941	710,867	583,546	127,321
	1942	620,030	760,012	139,982*
	1943	762,644	643,458	119,186
	1944	913,705	669,903	243,802
Three Rivers.....	1935	93,076	47,837	45,239
	1936	122,347	32,191	90,156
	1937	172,309	18,023	154,286
	1938	191,881	33,242	158,639
	1939	165,682	18,147	147,535
	1940	237,924	44,905	193,019
	1941	243,911	38,930	204,981
	1942	185,738	22,603	163,135
	1943	199,023	18,011	181,012
	1944	224,933	55,489	169,444
Montreal.....	1935	4,032,770	2,394,967	1,637,803
	1936	4,238,836	2,209,179	2,029,657
	1937	4,377,350	2,136,800	2,240,550
	1938	4,917,837	2,095,656	2,822,181
	1939	4,469,097	1,987,928	2,481,169
	1940	5,117,818	2,116,681	3,001,137
	1941	5,174,415	2,214,748	2,959,667
	1942	3,797,440	2,167,596	1,629,844
	1943	3,786,305	2,039,507	1,746,798
	1944	4,698,030	2,212,488	2,485,542

*Deficit

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Jacques Cartier Bridge—(Montreal).....	1935	347,698	145,439	202,259
	1936	354,867	91,861	263,006
	1937	423,785	84,550	339,235
	1938	445,945	91,785	354,160
	1939	463,124	91,266	371,858
	1940	474,270	103,167	371,103
	1941	589,768	105,870	483,898
	1942	537,406	102,903	434,503
	1943	520,120	97,020	423,100
	1944	600,237	99,098	501,139
Prescott.....	1936	173,671	92,715	80,956
	1937	57,257	81,888	24,631*
	1938	68,989	75,204	6,215*
	1939	242,741	74,778	167,963
	1940	284,271	93,384	190,887
	1941	215,606	86,126	129,480
	1942	233,718	82,399	151,319
	1943	112,691	74,418	38,273
	1944	257,750	110,575	147,175
Port Colborne.....	1936	190,723	114,495	76,228
	1937	126,457	99,546	26,911
	1938	249,622	133,319	116,303
	1939	255,659	119,207	136,452
	1940	212,648	91,660	120,988
	1941	164,167	79,937	84,230
	1942	171,280	73,100	98,180
	1943	129,905	74,153	55,752
	1944	239,703	97,106	142,597
Churchill.....	1936	84,443	280,458	196,015*
	1937	6,418	148,331	141,913*
	1938	83,867	136,491	52,624*
	1939	108,264	154,672	46,403*
	1940	70,518	110,184	39,666*
	1941	70,267	102,499	32,232*
	1942	144,782	139,348	5,434
	1943	95,860	132,372	36,512*
	1944	71,028	128,635	57,607*
Vancouver.....	1935	1,537,044	736,554	800,490
	1936	1,792,980	718,997	1,073,983
	1937	1,636,648	708,830	927,818
	1938	1,453,905	566,397	887,508
	1939	1,578,036	590,743	987,293
	1940	1,480,904	568,853	912,051
	1941	1,476,586	568,309	908,277
	1942	1,568,977	588,502	980,475
	1943	1,736,959	670,930	1,066,029
	1944	2,138,666	916,767	1,221,899
Second Narrows Bridge—(Vancouver).....	1935	113,168	71,083	42,085
	1936	140,089	60,586	79,503
	1937	164,899	62,611	102,288
	1938	178,039	62,630	115,409
	1939	110,225	57,074	53,151
	1940	117,569	52,480	65,089
	1941	143,955	55,201	88,754
	1942	161,535	58,193	103,342
	1943	144,645	61,024	83,621
	1944	137,585	62,037	75,548
All Units.....	1935	17,427,448	4,975,750	2,451,698
	1936	8,479,432	4,982,379	3,497,053
	1937	8,452,355	4,598,442	3,853,913
	1938	9,144,935	4,408,724	4,736,211
	1939	9,093,140	4,258,821	4,834,319
	1940	10,602,199	4,506,827	6,095,372
	1941	11,189,428	4,919,289	6,270,139
	1942	10,416,805	5,219,781	5,197,024
	1943	10,861,081	5,277,574	5,583,507
	1944	12,538,318	5,999,089	6,539,229

* Deficit.

† Does not include Prescott Elevator, Port Colborne Elevator and Churchill Harbour.
38500—3½

CAPITAL EXPENDITURES

Capital expenditures during 1944 amounted to \$220,665. An additional sum of \$13,257, charged to reserves and other funds, was expended on replacement of physical assets, the total outlay being \$233,922, as follows:

<i>CAPITAL—</i>	
Halifax.....	\$ 147,021
Saint John.....	31,885
Montreal.....	18,767
Vancouver.....	22,992
	<hr/>
	220,665
 <i>Replacement of Physical Assets—</i>	
Halifax.....	\$ 7,790
Saint John.....	5,000
Vancouver.....	467
	<hr/>
	13,257
	<hr/>
	\$ 233,922

These expenditures were financed as follows: \$86,627 by advances from the Dominion Treasury, on which interest at the rate of $3\frac{1}{2}$ per cent per annum is charged; \$134,038, being for expenditures attributable to the war, by a direct charge to allotments under the War Appropriation Act, without interest; and \$13,257, representing the book value of assets replaced, by withdrawals from special funds.

The book value of fixed assets as at December 31, 1944 was \$224,660,685.

Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

In addition to the sum of \$220,665 shown above as being required for capital expenditures, the following additional amounts were obtained from the Dominion Treasury: advances of \$47,500 and \$158,400 to redeem at maturity debentures of Saint John and Three Rivers harbours, respectively, held by the public; an advance of \$275,000 to cover cash deficit resulting from the operations of Jacques Cartier Bridge, Montreal; and a payment of \$58,907 representing the loss on the operation of the harbour of Churchill. The total financial assistance in respect of the year's operations was \$760,472.

On the other hand, payments by the Board to the Dominion Treasury during 1944 totalled \$4,226,079, made up as follows: interest on advances, \$4,000,000; earnings of Port Colborne elevator, \$56,620, and of Prescott elevator, \$41,285 (being for the year 1943); and refund of advances for capital expenditures in previous years, \$87,667.

Reserve funds in the form of investments or cash balances on deposit with the Receiver General of Canada had a book value of \$18,020,890 as at December 31, 1944, the net increase during the year being \$3,422,694. Investments had a book value of \$17,132,477 and a market value of \$17,380,854. These reserves have been set aside from earnings for the replacement of physical assets (as from Jan. 1, 1936) and for insurance and workmen's compensation funds. They also include the Board's Pension Fund.

As provided by Section 31 of the National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

AUDIT

The Auditor General of Canada has carried on a continuous audit of the accounts.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, supplemented by traffic statistics and information respecting works carried on during the year, are appended to this report.

Respectfully submitted,

R. K. SMITH,
Chairman.

J. E. ST. LAURENT,
Vice-Chairman.

B. J. ROBERTS.

F. W. RIDDELL.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES—

Harbour General—

Harbour Dues.....	\$ 159,006 41	
Cargo Rates.....	470,980 81	
Miscellaneous.....	599,458 43	
		\$ 1,229,445 65

Wharves and Piers—

Top Wharfage.....	2,727,084 49	
Dockage.....	873,611 09	
Miscellaneous.....	567,949 41	
		4,168,644 99

Permanent Sheds—

Shed Rentals.....	318,589 08	
Storage.....	687,437 95	
Miscellaneous.....	38,401 39	
		1,044,428 42

Shed Hoists.....		45,663 61
Railway System.....		1,002,454 43

Grain Elevator System—

Elevation.....	736,690 52	
Storage.....	1,137,452 27	
Rentals.....	294,035 87	
Miscellaneous.....	106,918 10	
		2,275,096 76

Cold Storage System—

Storage.....	639,505 14	
Miscellaneous.....	182,285 42	
		821,790 56

Miscellaneous—Outsiders.....		1,212,970 91
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Bridge Tolls and Sundry Receipts.....		737,823 05
---------------------------------------	--	------------

\$ 12,538,318 38

OPERATING EXPENSES—

Administration.....	824,758 51	
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Operation and Maintenance—

Harbour Dredging.....	140,320 42	
Harbour General.....	990,640 87	
Vehicular Bridges.....	5,656 00	
Roads, Fences and Boundaries.....	47,730 80	
Sewers and Drains.....	4,715 53	
Wharves and Piers.....	261,789 49	
Permanent Sheds.....	412,434 22	
Shed Hoists.....	28,154 04	
Railway System.....	871,229 77	
Grain Elevator System.....	993,800 05	
Cold Storage System.....	582,981 96	
Miscellaneous Outsiders.....	702,977 81	
Bridges.....	131,899 51	
		5,174,330 47

5,999,088 98

Operating Income.....		6,539,229 40
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INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	1,087,064 57	
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MISCELLANEOUS INCOME CREDITS.....	190,062 27	
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1,277,126 84

Total Income.....		7,816,356 24
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MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	1,085,929 33	
Reserve for Bad Debts.....	5,947 01	
Miscellaneous Income Charges.....	14,081 97	
Trustees' Fees, Commissions, Bond Discount, etc.....	115,576 04	
		1,221,534 35

Income Available for Interest due Public.....		6,594,821 89
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INTEREST ON DEBT TO THE PUBLIC.....		1,014,306 58
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5,580,515 31

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,774,116 17	
Reserve for Depreciation.....	166,156 20	
Interest due Dominion Government.....	7,037,865 98	
		8,978,138 35

3,397,623 04

Deduct:		
Special Contributions to Deficit (Bridge-Montreal).....		300,000 00

Net Income Deficit.....		\$ 3,097,623 04
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NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,268,659 60
Real Estate.....	12,753,834 91
Vehicular Bridges.....	300,592 85
Roads, Fences and Boundaries.....	1,760,538 47
Sewers and Drains.....	663,600 13
Miscellaneous Structures.....	748,850 51
Wharves and Piers.....	89,466,706 10
Permanent Sheds.....	19,698,527 71
Shed Hoists and Electric Cranes.....	248,972 88
Railway System.....	6,994,786 68
Grain Elevator System.....	41,920,462 08
Cold Storage System.....	5,727,279 04
Office Furniture and Appliances.....	139,425 25
Harbour Buildings.....	751,422 71
Central Heating Plants.....	148,378 90
Harbour Shops.....	332,234 89
Electric Power System.....	1,081,464 81
Water Supply System.....	744,027 09
Floating Equipment.....	1,990,917 65
Shore Equipment.....	775,919 82
Miscellaneous Small Plant.....	555,559 09
Engineering—General Surveys.....	606,402 98
Works under Construction.....	199,041 81
Sundry Expenditure—Undistributed.....	5,395,832 05
Bridge Construction and Right-of-Way, etc.....	19,387,246 66
	<hr/> \$224,660,684 67

CURRENT—

Cash.....	1,679,680 37
Accounts Receivable.....	1,893,087 64
Advances due on Capital Account.....	41,083 45
Stores on Hand.....	486,616 12
Accrued Revenue.....	426,403 70
Other Assets.....	2,031 94

4,528,903 22

INVESTMENTS.....	44,708 16
SECURITY DEPOSITS.....	124,595 43
REPLACEMENT FUND.....	16,318,636 17
FIRE AND GENERAL INSURANCE FUND.....	917,654 67
GENERAL WORKMEN'S COMPENSATION FUND.....	285,940 97
PENSION FUND.....	498,658 51
MISCELLANEOUS FUNDS.....	59,490 18
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	219,680 34
PREPAID CHARGES.....	27,505 89
DEFERRED DEBITS.....	16,375 41

\$247,702,833 62

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1944

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....\$20,258,182 35

DOMINION GOVERNMENT ACCOUNT—

Loans and Advances (Interest Bearing).....	\$ 156,022,827 63
Expenditure under Appropriations.....	50,847,160 92
Government Loans Applied for.....	41,083 45
	<hr/> \$ 206,911,072 00

ACCOUNTS PAYABLE—CONSTRUCTION.....107,077 71

CONTRACTORS' HOLDBACKS—CONSTRUCTION.....1,538 00

CURRENT—

Accounts Payable.....	303,879 12
Salaries and Wages Payable.....	80,068 15
Matured Interest Unpaid—	
Due Public.....	41,232 57
Due Dominion Government.....	62,292,071 81
Accrued Interest due Public.....	178,547 83
Unclaimed Wages.....	1,501 35
Matured Debentures due Public.....	26,500 00
Other Current Liabilities.....	4,648 97
	<hr/> 62,928,449 80

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....124,595 43

RESERVES—

Replacement.....	17,922,958 55
Fire and General Insurance.....	916,923 52
General Workmen's Compensation.....	285,940 97
Pensions.....	498,658 51
Miscellaneous.....	2,209,944 19
	<hr/> 21,834,425 74

DEFERRED CREDITS.....312,202 14

312,477,543 17

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1943.....	61,046,102 82
Adjustments in 1944.....	630,983 69
Net Income Deficit for 1944.....	3,097,623 04
	<hr/> 64,774,709 55
	<hr/> \$ 247,702,833 62

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates 7 main piers and wharves having about 16,000 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,100,000 square feet. In addition, the Board operates a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,050,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	3,700	8,664,488
1943.....	4,430	10,668,407
1942.....	5,644	14,909,468
1941.....	5,777	15,821,069
1940.....	5,150	11,587,059
<i>Departures—</i>		
1944.....	3,630	8,434,027
1943.....	4,444	10,719,497
1942.....	5,656	15,029,198
1941.....	5,789	15,882,132
1940.....	4,984	11,287,076

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparison for 1943.

	1944		1943	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	2,725	8,566,853	3,518	10,562,829
Coastal or inland commercial (including fishery) ..	958	79,810	894	91,304
Other.....	17	17,825	18	14,274
Total.....	3,700	8,664,488	4,430	10,668,407
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	2,660	8,337,092	3,549	10,616,037
Coastal or inland commercial (including fishery) ..	954	79,236	881	93,136
Other.....	16	17,699	14	10,324
Total.....	3,630	8,434,027	4,444	10,719,497

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	2,280,462	3,472,020	5,752,482
1943.....	2,377,871	3,364,989	5,742,860
1942.....	1,997,414	3,012,149	5,009,563
1941.....	2,373,600	2,329,753	4,703,353
*1940.....	1,474,228	1,376,772	2,851,000
<i>Domestic—</i>			
1944.....	307,291	198,517	505,808
1943.....	280,258	127,917	408,175
1942.....	285,344	90,915	376,259
1941.....	372,818	239,961	612,779
*1940.....	252,824	234,765	487,589
<i>Total—</i>			
1944.....	2,587,753	3,670,537	6,258,290
1943.....	2,658,129	3,492,906	6,151,035
1942.....	2,282,758	3,103,064	5,385,822
1941.....	2,746,418	2,569,714	5,316,132
*1940.....	1,727,052	1,611,537	3,338,589

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparison for 1943.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons)	(Tons)	(Tons)
Petroleum Oil, fuel.....	1,027,110	1,199,741	2,226,851	1,830,276
Grain.....	6,651	771,619	778,270	695,295
Petroleum Oil, crude.....	748,660	.....	748,660	965,124
Coal, bituminous.....	472,521	1,047	473,568	425,014
Meats, canned, cured, prepared or preserved.....	529	212,624	213,153	217,255
Motor Vehicles and Parts.....	4,683	177,027	181,710	194,700
Flour, wheat.....	2,320	161,763	164,083	110,303
Gasoline.....	16,435	99,687	116,122	148,253
Lumber (Planks, Boards and Flooring) and Square Timber.....	1,694	101,919	103,613	111,149
Wood-pulp.....	2	98,341	98,343	159,085
Ammunition and Fireworks.....	3,513	78,566	82,079	83,520
Sugar, raw.....	77,969	12	77,981	38,978
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	.....	58,962	58,962	105,767
Fish (including Shell-fish), dried, pickled, salted or smoked.....	16,240	36,334	52,574	57,525
Fish (including Shell-fish), fresh or frozen.....	33,196	2,380	35,576	30,666
Coal, anthracite.....	34,241	166	34,407	50,540
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	2	32,840	32,842	22,897
Aircraft and Parts.....	7,788	18,425	26,213	47,956
Meats, chilled, fresh or frozen.....	3	25,109	25,112	9,722
Salt.....	15,337	6,027	21,364	17,683
Apples.....	40	21,050	21,090	10,696
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	.....	21,021	21,021	76,378
Cheese.....	485	20,422	20,907	21,215
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....	725	20,022	20,747	35,655
All Goods not otherwise specified.....	117,609	505,433	623,042	685,383
Total.....	2,587,753	3,670,537	6,258,290	6,151,035

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1944, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1944.....	9,767	3,058	12,825
1943.....	11,354	3,227	14,581
1942.....	9,702	4,169	13,871
1941.....	6,847	7,318	14,165
1940.....	11,711	3,395	15,106
<i>Coastwise—</i>			
1944.....			
1943.....			
1942.....			
1941.....			
1940.....	129	74	203
<i>Total—</i>			
1944.....	9,767	3,058	12,825
1943.....	11,354	3,227	14,581
1942.....	9,702	4,169	13,871
1941.....	6,847	7,318	14,165
1940.....	11,840	3,469	15,309

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1944, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....	218,514	25,463,731	25,682,245
1943.....	619,890	22,791,133	23,411,023
1942.....	1,783,534	34,129,023	35,912,557
1941.....	1,547,639	32,195,856	33,743,495
1940.....	1,774,825	14,644,220	16,419,045
<i>Via rail—</i>			
1944.....	25,342,704	66,396	25,409,100
1943.....	21,568,338	2,000	21,570,338
1942.....	33,012,638	3,571	33,016,209
1941.....	31,442,451	384,302	31,826,753
1940.....	13,296,124	210,784	13,506,908
<i>Via other—</i>			
1944.....		96,964	96,964
1943.....		451,228	451,228
1942.....		199,267	199,267
1941.....		268,422	268,422
1940.....		239,836	239,836
<i>Total—</i>			
1944.....	25,561,218	25,627,091	51,188,309
1943.....	22,188,228	23,244,361	45,432,589
1942.....	34,796,172	34,331,861	69,128,033
1941.....	32,990,090	32,848,580	65,838,670
1940.....	15,070,949	15,094,840	30,165,789

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$135,782. The major items were repairs to decks and substructures of piers 3 and 4, replacement of steam heating lines in two sections of the harbour, repairs to water mains, roof repairs to sheds 22 and 27 and sections of the grain galleries, repairs to a number of timber bents in grain galleries and towers, overhaul of six freight elevators at the cold storage warehouse, renewal of sections of concrete slab at berth 20, retubing one of the ammonia condensers at the cold storage terminals, and regular maintenance of all harbour facilities.

Two fireboats and shore based fire protection equipment were maintained in good operating condition, chargeable to funds provided under War Appropriation Act.

CAPITAL WORKS

Expenditures on capital account, provided in part from Replacement Fund, amounted to \$154,811. Of this amount \$16,550 related to ordinary harbour installations, financed from interest bearing advances to the Board, and \$130,471 related to works authorized under and chargeable to War Appropriation. The following constituted the principal items:

Reconstruction of Electric Substation at Grain Elevator.—The reconstruction of the electric substation at the grain elevator, which was commenced in 1943 was completed during 1944.

Minor Works.—These included the construction of a one-ton stiff-leg derrick, the provision of two gangways to facilitate disembarkation from hospital ships and the purchase of four lift trucks for the cold storage plant.

War Appropriation Works

Reconstruction of Shed 21.—In March, 1944, the upper storey of shed 21 was destroyed by fire. A number of contracts were awarded to cover various phases of the demolition, removal of debris and reconstruction. At the end of the year the demolition and removal of debris was completed, the contract for erection of steelwork was 90 per cent completed, the contract for the supply and placing of a pre-cast Aerocrete roof was 30 per cent completed and the contract for the reconstruction of the exterior of the shed was 5 per cent completed. It was anticipated that a contract would be awarded for the interior work early in the new year.

Additional Unloading Facilities at Grain Elevator.—The provision of a second car dumper at the grain elevator, work upon which was commenced and almost completed in 1943, was fully completed during 1944.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,801,217, as compared with \$1,848,330 in 1943, the decrease being \$47,113. Operating and maintenance expenses showed an increase of \$115,440 over the previous year, the comparable figures being \$1,116,104 for 1944 and \$1,000,664 for 1943.

After charging interest due the Government and reserve for replacements, the year's operations showed a net income surplus of \$86,756 as compared with \$215,810 in 1943.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES

Harbour General		
Harbour Dues.....	\$ 59,518 19	
Miscellaneous.....	4,227 45	
	<u>\$</u>	63,745 64
Wharves and Piers		
Top Wharfage.....	656,825 26	
Dockage.....	307,164 47	
Miscellaneous.....	41,589 85	
	<u>1,005,579 58</u>	
Permanent Sheds		
Shed Rentals.....	52,368 76	
Storage.....	29,841 50	
Miscellaneous.....	25,158 33	
	<u>107,368 59</u>	
Grain Elevator System		
Elevation.....	128,175 80	
Storage.....	25,884 99	
Miscellaneous.....	15,395 00	
	<u>169,455 79</u>	
Cold Storage System		
Storage.....	225,316 19	
Miscellaneous.....	105,229 00	
	<u>330,545 19</u>	
Miscellaneous—Outsiders.....	124,522 49	
	<u>\$ 1,801,217 28</u>	

OPERATING EXPENSES

Administration.....		94,053 00
Operation and Maintenance		
Harbour General.....	241,565 76	
Roads, Fences and Boundaries.....	2,191 84	
Sewers and Drains.....	366 38	
Wharves and Piers.....	52,622 31	
Permanent Sheds.....	173,574 31	
Grain Elevator System.....	208,764 68	
Cold Storage System.....	240,026 00	
Miscellaneous—Outsiders.....	102,939 89	
	<u>1,022,051 17</u>	
		<u>1,116,104 17</u>
Operating Income.....		685,113 11

INCOME RECEIVED FROM RESERVE FUNDS.....	94,790 79	
MISCELLANEOUS INCOME CREDITS.....	180,957 97	
	<u>275,748 76</u>	
Total Income.....		960,861 87

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	94,790 79	
Miscellaneous Income Charges.....	232 46	
	<u>95,023 25</u>	
		865,838 62

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	579,082 32	
	<u>779,082 32</u>	

Net Income Surplus.....\$ 86,756 30

Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1944

HARBOUR OF HALIFAX

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ASSETS

FIXED—	
Harbour Dredging.....	\$ 160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	238,737 01
Sewers and Drains.....	60,611 27
Miscellaneous Structures.....	28,387 08
Wharves and Piers.....	16,922,477 53
Permanent Sheds.....	4,611,154 34
Grain Elevator System.....	2,541,031 10
Cold Storage System.....	1,927,411 36
Office Furniture and Appliances.....	30,021 01
Central Heating Plants.....	65,316 59
Electric Power System.....	8,409 40
Water Supply System.....	99,339 32
Floating Equipment.....	57,977 48
Shore Equipment.....	56,506 09
Miscellaneous Small Plant.....	61,379 39
Engineering—General Surveys.....	475,501 67
Works under Construction.....	112,526 14
	<u>\$27,990,303 75</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 155,734 82
Cash—On Hand.....	5,943 70
Accounts Receivable.....	\$ 425,929 13
Less—Reserve for Bad Debts.....	760 89
Advances due on Capital Account.....	425,168 24
Stores on Hand.....	6,985 36
Accrued Revenue.....	36,201 57
Other Assets.....	19,218 98
	<u>6 15</u>
	649,258 82

SECURITY DEPOSITS.....	6,025 00
REPLACEMENT FUND.....	1,890,742 61
FIRE AND GENERAL INSURANCE FUND.....	85,093 27
MISCELLANEOUS FUNDS.....	16,697 50
PREPAID CHARGES.....	515 54
DEFERRED DEBITS.....	2,641 11
	<u>\$30,641,177 60</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loan and Advances (Interest bearing).....	\$12,499,135 53
Expenditure under Appropriations.....	15,841,623 99
Government Loans Applied for—Contra.....	6,985 36
	<u>\$28,347,744 88</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	85,068 00
CONTRACTORS' HOLDBACK—CONSTRUCTION.....	1,538 00

CURRENT—	
Accounts Payable.....	72,628 56
Salaries and Wages Payable.....	15,907 83
Matured Interest Unpaid—	
Due Public.....	\$ 2,197 50
Due Dominion Government.....	3,541,138 62
Unclaimed Wages.....	3,543,336 12
Matured Debentures due Public.....	731 98
	<u>14,500 00</u>
	3,647,104 49
	<u>6,025 00</u>

CONTRACTORS' SECURITY DEPOSITS.....	
RESERVES—	
Replacement.....	1,891,602 33
Fire and General Insurance.....	84,544 92
	<u>1,976,147 25</u>
DEFERRED CREDITS.....	2,719 18
	<u>34,066,346 80</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1943.....	3,113,855 50
Adjustment in 1944.....	398,070 00
	<u>3,511,925 50</u>
Deduct—	
Net Income Surplus for 1944.....	86,756 30
	<u>\$,425,169 20</u>
	<u>\$30,641,177 60</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 20 deep water wharves having some 12,700 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water, and 18 transit sheds, including 2 frost-proof sheds, with an aggregate floor space of about 812,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to 9 of the berths by over 2 miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. Two locomotive cranes and 15-ton and 65-ton floating cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	1,478	2,185,088
1943.....	1,702	2,311,881
1942.....	1,716	2,048,907
1941.....	2,048	2,436,275
1940.....	2,411	2,624,068
<i>Departures—</i>		
1944.....	1,467	2,162,055
1943.....	1,688	2,276,805
1942.....	1,725	2,090,167
1941.....	2,041	2,431,834
1940.....	2,370	2,562,659

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparison for 1943.

	1944		1943	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	578	1,500,695	707	1,557,791
Coastal or inland commercial (including fishery).....	862	674,562	966	745,395
Other.....	38	9,831	29	8,695
Total.....	1,478	2,185,088	1,702	2,311,881
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	579	1,482,113	741	1,574,922
Coastal or inland commercial (including fishery).....	851	669,802	919	693,511
Other.....	37	10,140	28	8,372
Total.....	1,467	2,162,055	1,688	2,276,805

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	510,576	2,658,481	3,169,057
1943.....	517,091	3,227,429	3,744,520
1942.....	368,340	2,666,106	3,034,446
1941.....	418,225	2,408,599	2,826,824
*1940.....	451,556	1,848,417	2,299,973
<i>Domestic—</i>			
1944.....	396,455	79,867	476,322
1943.....	382,062	85,025	467,087
1942.....	359,406	121,198	480,604
1941.....	435,437	119,894	555,331
*1940.....	376,927	89,719	466,646
<i>Total—</i>			
1944.....	907,031	2,738,348	3,645,379
1943.....	899,153	3,312,454	4,211,607
1942.....	727,746	2,787,304	3,515,050
1941.....	853,662	2,528,493	3,382,155
*1940.....	828,483	1,938,136	2,766,619

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparison for 1943.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....		780,237	780,237	1,096,303
Motor Vehicles and Parts.....	272	328,908	329,180	266,431
Coal, bituminous.....	294,582	615	295,197	297,037
Flour, wheat.....		244,711	244,711	439,406
Lumber (Planks, Boards and Flooring) and Square Timber.....	10,619	171,641	182,260	190,189
Sugar, raw.....	150,501		150,501	70,588
Ammunition and Fireworks.....	445	107,242	107,687	106,762
Coal, anthracite.....	97,649	360	98,009	190,843
Paper, newsprint.....		93,466	93,466	47,418
Meats, canned, cured, prepared or preserved.....	1,029	75,505	76,534	86,038
Wood-pulp.....		56,860	56,860	48,254
Vegetables, dried.....	128	53,069	53,197	34,379
Petroleum Oil, fuel.....	51,078	961	52,039	23,880
Fertilizers and Fertilizer Materials.....	11,903	37,654	49,557	17,595
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....		45,367	45,367	40,066
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....		41,998	41,998	103,946
Tea.....	34,574	264	34,838	10,341
Boats (including Canoes) and Parts.....		34,151	34,151	
Gasoline.....	29,258	4,098	33,356	37,573

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons)	(Tons)	(Tons)
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....		32,314	32,314	32,070
Iron or Steel Rails and Fastenings.....		24,520	24,520	4,192
Machinery and Parts (except agricultural).....	3,543	20,325	23,868	13,413
Cheese.....		22,201	22,201	42,256
Molasses.....	21,411	2	21,413	8,341
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....		20,575	20,575	57,132
Iron or steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	686	18,828	19,514	21,554
Fish (including Shell-fish), canned or preserved.....	2,890	15,896	18,786	34,953
Jute and Jute Manufactures.....	18,159	77	18,236	21,098
Wood Laths, Pickets, Plywoods, Shingles and Veneers	77	18,125	18,202	29,561
Meats, chilled, fresh or frozen.....		18,095	18,095	5,262
Beverages, alcoholic.....	8,000	9,618	17,618	14,633
Paper not otherwise specified.....	1,155	15,818	16,973	13,275
Food-stuffs, canned or preserved, not otherwise speci- fied.....	703	15,422	16,125	2,393
Fish (including Shell-fish), dried, pickled, salted or smoked.....	7,614	8,107	15,721	276
Potatoes.....		15,616	15,616	7,758
Box, Crate and Cooperage Materials, wooden.....	218	13,998	14,216	11,624
Ferro-alloys.....		13,989	13,989	63,246
Firearms, Ordnance Guns and Parts.....	513	13,069	13,582	13,615
Copper and Copper Manufactures, not otherwise specified.....	1,964	11,534	13,498	21,323
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....		13,079	13,079	22,127
Petroleum Oil, refined, not otherwise specified.....	11,958	480	12,438	659
Milk, condensed, evaporated or powdered.....	37	11,426	11,463	11,393
Calcium Carbide.....		11,231	11,231	48,770
Nickel and Nickel Manufactures.....	372	10,267	10,639	17,701
Aircraft and Parts.....	2,898	7,725	10,623	27,215
Pulpboard (except Wallboard).....	3	10,383	10,386	7,465
Tobacco and Tobacco Manufactures.....	1	10,028	10,029	11,358
Wireless Sets and Parts.....	232	9,101	9,333	4,059
Trailers and Parts.....	54	9,256	9,310	18,206
Railway Equipment not otherwise specified.....		9,182	9,182	
Salt.....	6,535	2,541	9,076	16,379
Sodium Carbonate.....	8,891		8,891	
Glass and Glass Manufactures.....	8,474	218	8,692	19,009
Asbestos and Asbestos Manufactures.....	271	8,410	8,681	24,294
Nuts.....	8,440	75	8,515	
Aluminum Manufactures not otherwise specified.....	676	7,774	8,450	18,911
Eggs, dried, evaporated, desiccated or powdered.....		7,625	7,625	7,871
Cotton Manufactures not otherwise specified.....	5,444	2,127	7,571	15,295
Apples.....	3,811	3,574	7,385	3,815
Carborundum Sand.....		6,987	6,987	14,971
Grain Products (Mill Products) except Wheat Flour..		6,421	6,421	2,863
Ordnance Stores.....	703	5,601	6,304	5,507
Sugar, refined.....	1,143	4,976	6,119	1,216
Hexachloroethane.....		6,111	6,111	5,502
Phosphate Rock.....	5,833		5,833	
Fruits, dried.....	5,795		5,795	2,789
Ores and Concentrates not otherwise specified.....	4,911	681	5,592	3,900
Wooden Manufactures not otherwise specified.....	224	4,956	5,180	9,938
Wood, unmanufactured not otherwise specified.....		5,149	5,149	10,178
Iron or Steel Manufactures not otherwise specified.....	1,500	3,505	5,005	8,756
All Goods not otherwise specified.....	79,854	174,223	254,077	346,436
Total.....	907,031	2,738,348	3,645,379	4,211,607

(Exclusive of ballast (non-revenue), bunkers, ship's stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1944, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1944.....	379	181	560
1943.....	61	374	435
1942.....	1,033	378	1,411
1941.....	1,642	196	1,838
1940.....	4,699	4,907	9,606
<i>Coastwise—</i>			
1944.....	73,640	82,814	156,454
1943.....	68,510	84,677	153,187
1942.....	40,892	45,125	86,017
1941.....	35,377	31,590	66,967
1940.....	17,210	17,250	34,460
<i>Total—</i>			
1944.....	74,019	82,995	157,014
1943.....	68,571	85,051	153,622
1942.....	41,925	45,503	87,428
1941.....	37,019	31,786	68,805
1940.....	21,909	22,157	44,066

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1944, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....		25,593,427	25,593,427
1943.....		36,817,001	36,817,001
1942.....		32,838,999	32,838,999
1941.....		39,281,755	39,281,755
1940.....	501,809	18,866,148	19,367,957
<i>Via rail—</i>			
1944.....	27,009,543	669,057	27,678,600
1943.....	35,900,274	301,758	36,202,032
1942.....	34,011,161	615,160	34,626,321
1941.....	39,077,225	57,218	39,134,443
1940.....	19,065,623	474,287	19,539,910
<i>Via other—</i>			
1944.....			
1943.....			
1942.....			
1941.....			
1940.....			
<i>Total—</i>			
1944.....	27,009,543	26,262,484	53,272,027
1943.....	35,900,274	37,118,759	73,019,033
1942.....	34,011,161	33,454,159	67,465,320
1941.....	39,077,225	39,338,973	78,416,198
1940.....	19,567,432	19,340,435	38,907,867

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$173,248. The larger items were dredging twelve berths to a minimum depth of 30 feet at extreme low tide, resurfacing the timber road approach to berth 7, repairs to timber railway trestle approach to berth 7, redecking timber loading platform at rear of shed 11 and painting sheds 5 and 7 and a portion of the grain galleries.

CAPITAL WORKS

Expenditures on capital account, provided in part from Replacement Fund, amounted to \$36,885, of which \$3,568 was chargeable to War Appropriation. The following were the principal items:

Conversion of Heating Plant at Berth 5.—The existing steam plant heating sheds 5, 6, 7 and longshoremen's building was dismantled and replaced by two forced hot water heating systems. This work was performed under two contracts, one for building construction and alterations and the other for supply and installation of the heating system. The work was fully completed during the year.

Improvements to Offices in Sheds 2 and 3.—Three new offices and a new gear building were provided in sheds 2 and 3 and the lighting of existing offices was modernized. The work which was performed by the Board's forces, was completed during the year.

Purchase of Land.—An area of land west of Long wharf was acquired to provide for future reconstruction of this wharf.

War Appropriation Works

Improvements to 65-ton Floating Crane.—A larger mooring winch was installed on the 65-ton floating crane and other improvements made, the work being performed by the Board's forces.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,423,537, as compared with \$1,492,579 in 1943, the decrease being \$69,042. Operating and maintenance expenses were \$512,482, being \$72,348 greater than in 1943 when such expenditures amounted to \$440,134.

After taking into account income debits and credits, paying interest on debt to the public of \$64,283 and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$161,553, as against a deficit, in 1943, of \$10,974.

Debenture indebtedness to the public, in the amount of \$47,500, was paid off during the year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$ 17,042 11	
Miscellaneous.....	18,142 19	
	<u>\$</u>	35,184 30

Wharves and Piers

Top Wharfage.....	744,212 03	
Dockage.....	273,595 98	
Miscellaneous.....	510 00	
	<u></u>	1,018,318 01

Permanent Sheds

Shed Rentals.....	25,993 94	
Storage.....	6,544 68	
Miscellaneous.....	309 66	
	<u></u>	32,848 28

Shed Hoists (Crane)..... 598 00

Railway System..... 1,242 50

Grain Elevator System

Receipts from joint operation..... 63,105 08

Miscellaneous—Outsiders..... 272,241 23

\$ 1,423,537 40

OPERATING EXPENSES—

Administration..... 68,390 80

Operation and Maintenance

Harbour Dredging.....	104,167 34	
Harbour General.....	69,639 80	
Vehicular Bridges.....	2,022 48	
Roads, Fences and Boundaries.....	3,420 98	
Sewers and Drains.....	234 95	
Wharves and Piers.....	36,566 89	
Permanent Sheds.....	86,252 16	
Shed Hoists (Crane).....	32 47	
Grain Elevator System.....	8,306 62	
Miscellaneous—Outsiders.....	133,447 86	
	<u></u>	444,091 55
		<u>512,482 35</u>

Operating Income..... 911,055 05

INCOME RECEIVED FROM RESERVE FUNDS..... 135,257 96

MISCELLANEOUS INCOME CREDITS..... 179 74

135,437 70

Total Income..... 1,046,492 75

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	135,257 96	
Miscellaneous Income Charges.....	5,060 56	
	<u></u>	140,318 52

Income Available for Interest due Public..... 906,174 23

INTEREST ON DEBT TO THE PUBLIC..... 64,283 16

841,891 07

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	803,444 52	
	<u></u>	1,003,444 52

Net Income *Deficit*..... \$ 161,553 45

Harbour of Saint John BALANCE SHEET AS AT DECEMBER 31, 1944

ASSETS		LIABILITIES	
FIXED—		DEBENTURE INDEBTEDNESS TO PUBLIC.....	
Harbour Dredging.....	\$ 955,090 54		\$ 1,253,182 35
Real Estate.....	1,758,867 14		
Vehicular Bridges.....	30,107 37		
Roads, Fences and Boundaries.....	150,969 66		
Wharves and Piers.....	14,602,590 22		\$17,051,132 86
Permanent Sheds.....	2,546,433 93		6,573,986 90
Railway System.....	192,660 57		19,532 97
Grain Elevator System.....	3,989,064 33		23,644,652 73
Office Furniture and Appliances.....	7,736 70		
Harbour Buildings.....	47,202 41		9,033 00
Central Heating Plants.....	57,182 39		
Water Supply System.....	14,315 67		17,843 18
Floating Equipment.....	201,999 68		4,971 02
Shore Equipment.....	27,174 13		
Miscellaneous Small Plant.....	5,790 54		
Works under Construction.....	7,590 50		7,211,898 13
	<u>\$24,594,775 78</u>		
CURRENT—		ACCOUNTS PAYABLE—CONSTRUCTION.....	
Cash—Receiver General of Canada \$ 225,530 37			
Cash—On Hand.....	1,276 43		
Accounts Receivable.....	\$ 117,162 19		
Less—Reserve for Bad Debts.....	184 18		
Advances due on Capital Account.....	116,978 01		
Stores on Hand.....	19,532 97		
Accrued Revenue.....	23,605 71		
	<u>40,945 59</u>		
	427,869 08		
SECURITY DEPOSITS.....			
	12,809 83		
REPLACEMENT FUND.....			
	2,084,249 86		
FIRE AND GENERAL INSURANCE FUND.....			
	101,613 14		
PREPAID CHARGES.....			
	182 72		
DEFERRED DEBITS.....			
	1,054 80		
	<u>\$27,222,555 21</u>		
		CONTRACTORS' SECURITY DEPOSITS.....	
			12,809 83
		RESERVES—	
		Replacement.....	2,069,947 35
		Fire and General Insurance.....	101,613 14
		Harbour Dredging Maintenance.....	33,175 79
			<u>2,204,736 28</u>
		DEFERRED CREDITS.....	
			11,364 76
			<u>34,408,301 34</u>
		SURPLUS AND DEFICIT ACCOUNT—	
		Deficit as at December 31, 1943.....	7,024,192 68
		Net Income Deficit for 1944.....	101,553 45
			<u>7,185,746 13</u>
			<u>\$27,222,555 21</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 120 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 30 feet draft, a concrete fireproof shed, 400 feet by 60 feet, a frame shed, 150 feet by 40 feet, and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	153	83,445
1943.....	194	111,325
1942.....	180	101,854
1941.....	241	127,146
1940.....	248	118,100
<i>Departures—</i>		
1944.....	152	83,433
1943.....	194	111,325
1942.....	180	101,854
1941.....	241	127,146
1940.....	248	118,100

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparison for 1943.

	1944		1943	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	7	10,074	8	9,484
Coastal or inland commercial (including fishery).....	140	72,593	180	100,725
Other.....	6	778	6	1,116
Total.....	153	83,445	194	111,325
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	6	8,421	3	4,798
Coastal or inland commercial (including fishery).....	141	74,246	185	105,411
Other.....	5	766	6	1,116
Total.....	152	83,433	194	111,325

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	54,605		54,605
1943.....	135,369		135,369
1942.....	27,574		27,574
1941.....	75,105		75,105
*1940.....	95,771	6,320	102,091
<i>Domestic—</i>			
1944.....	44,983	1,145	46,128
1943.....	41,582	503	42,085
1942.....	131,643	697	132,340
1941.....	122,732	1,658	124,390
*1940.....	99,118	4,250	103,368
<i>Total—</i>			
1944.....	99,588	1,145	100,733
1943.....	176,951	503	177,454
1942.....	159,217	697	159,914
1941.....	197,837	1,658	199,495
*1940.....	194,889	10,570	205,459

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparison for 1943.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons) *	(Tons)	(Tons)
Coal, bituminous.....	69,789		69,789	146,966
Coal, anthracite.....	11,837		11,837	12,619
Gasoline.....	9,691		9,691	7,641
Lumber (Planks, Boards and Flooring) and Square Timber.....	1,396	1,035	2,431	2,163
Hay and Straw.....	752		752	136
Wood, unmanufactured, not otherwise specified.....	638		638	457
Paper not otherwise specified.....	636		636	452
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	441		441	590
Cement, common or portland.....	394		394	350
Asphalt and Asphalt Manufactures.....	314		314	188
Sugar, refined.....	309		309	208
All Goods not otherwise specified.....	3,391	110	3,501	5,684
Total.....	99,588	1,145	100,733	177,454

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1944, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1944.....			
1943.....			
1942.....			
1941.....			
1940.....			
<i>Coastwise—</i>			
1944.....	4,377	3,951	8,328
1943.....	4,049	4,048	8,097
1942.....	3,009	3,001	6,010
1941.....	3,824	3,832	7,656
1940.....	1,836	1,837	3,673
<i>Total—</i>			
1944.....	4,377	3,951	8,328
1943.....	4,049	4,048	8,097
1942.....	3,009	3,001	6,010
1941.....	3,824	3,832	7,656
1940.....	1,836	1,837	3,673

(Exclusive of armed forces and prisoners of war)

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$5,561. The principal items were general repairs to wharves and sheds and track maintenance.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$31,924, as compared with \$32,017 in 1943. Expenses of operation and maintenance were \$18,402, the corresponding figure in 1943 being \$25,880.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$204,777, as compared with a deficit of \$212,017 in 1943.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$ 395 96	
Miscellaneous.....	240 00	
	<u>\$</u>	635 96

Wharves and Piers

Top Wharfage.....	9,443 35	
Dockage.....	1,039 78	
Miscellaneous.....	15,253 95	
	<u></u>	25,737 08

Permanent Sheds

Shed Rentals.....	883 33	
Storage.....	4,063 41	
	<u></u>	4,946 74

Miscellaneous—Outsiders.....	603 88	
	<u>\$</u>	31,923 66

OPERATING EXPENSES—

Administration.....	7,310 16	
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Operation and Maintenance—

Harbour General.....	3,070 56	
Roads, Fences and Boundaries.....	194 49	
Wharves and Piers.....	4,461 21	
Permanent Sheds.....	1,229 40	
Railway System.....	1,981 69	
Miscellaneous—Outsiders.....	154 52	
	<u></u>	11,091 87

18,402 03

Operating Income.....	13,521 63
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INCOME RECEIVED FROM RESERVE FUNDS.....	3,512 86
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MISCELLANEOUS INCOME CREDITS.....	78 40	
	<u></u>	3,591 26

Total Income.....	17,112 89
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	3,512 86	
Miscellaneous Income Charges.....	966 26	
	<u></u>	4,479 12

12,633 77

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	30,000 00	
Interest due Dominion Government.....	187,411 10	
	<u></u>	217,411 10

Net Income <i>Deficit</i>	\$ 204,777 33
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Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1944

HARBOUR OF CHICOUTIMI

33

ASSETS

FIXED—	
Harbour Dredging.....	\$ 467,172 01
Real Estate.....	35,625 67
Roads, Fences and Boundaries.....	115,905 96
Sewers and Drains.....	165,653 09
Wharves and Piers.....	3,288,329 54
Permanent Sheds.....	3,124,083 29
Railway System.....	38,599 51
Office Furniture and Appliances.....	3,340 77
Electric Power System.....	3,915 37
Water Supply System.....	16,419 69
Floating Equipment.....	28,769 06
Shore Equipment.....	336 22
Miscellaneous Small Plant.....	1,007 90
Engineering—General Surveys.....	18,375 66
	<u>\$ 4,307,533 74</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 12,186 77
Cash—On Hand.....	25 62
Accounts Receivable.....	12,212 39
Stores on Hand.....	909 13
	<u>3,185 16</u>
REPLACEMENT FUND.....	<u>16,306 68</u>
	76,201 28
FIRE AND GENERAL INSURANCE FUND.....	<u>7,554 44</u>
PREPAID CHARGES.....	<u>619 92</u>
	<u>\$ 4,408,216 06</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$ 3,838,060 26
Expenditure under Appropriations.....	485,398 32
	<u>\$ 4,323,458 58</u>
CURRENT—	
Accounts Payable.....	104 90
Matured Interest due Dominion Government.....	2,351,683 92
Unclaimed Wages.....	22 30
	<u>2,351,811 12</u>
RESERVES—	
Replacement.....	276,201 28
Fire and General Insurance.....	7,554 44
	<u>283,755 72</u>
DEFERRED CREDITS.....	<u>2,511 32</u>
	<u>6,961,536 74</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1943.....	2,348,543 35
Net Income Deficit for 1944.....	204,777 33
	<u>2,553,320 68</u>
	<u>\$ 4,408,216 06</u>

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 32 miles of standard gauge terminal railway, connected with both Canadian railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also, a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 75 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	3,560	2,172,620
1943.....	3,506	1,764,944
1942.....	3,896	1,883,084
1941.....	3,973	2,227,959
1940.....	4,054	2,831,539
<i>Departures—</i>		
1944.....	3,561	2,171,301
1943.....	3,530	1,816,848
1942.....	3,910	1,927,366
1941.....	3,979	2,230,306
1940.....	4,049	2,829,810

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparison for 1943.

	1944		1943	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	193	351,932	171	233,259
Coastal or inland commercial (including fishery).....	3,367	1,820,688	3,335	1,531,685
Total.....	3,560	2,172,620	3,506	1,764,944
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	234	507,606	117	240,783
Coastal or inland commercial (including fishery).....	3,327	1,663,895	3,413	1,576,065
Total.....	3,561	2,171,501	3,530	1,816,848

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	95,926	237,433	333,359
1943.....	18,745	162,243	180,988
1942.....	33,112	142,308	175,420
1941.....	82,230	330,263	412,493
*1940.....	138,609	311,029	449,638
<i>Domestic—</i>			
1944.....	943,919	147,648	1,091,567
1943.....	759,921	300,560	1,060,481
1942.....	785,237	192,605	977,842
1941.....	912,647	230,685	1,143,332
*1940.....	1,181,970	292,332	1,474,302
<i>Total—</i>			
1944.....	1,039,845	385,081	1,424,926
1943.....	778,666	462,803	1,241,469
1942.....	818,349	334,913	1,153,262
1941.....	994,877	560,948	1,555,825
*1940.....	1,320,579	603,361	1,923,940

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparison for 1943.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	434,507	4,716	439,223	506,202
Pulpwood.....	191,342	105,181	296,523	247,817
Grain.....	19,371	90,843	110,214	50,408
Gasoline.....	94,652	1,919	96,571	78,037
Petroleum Oil, fuel.....	93,392	196	93,588	62,831
Lumber (Planks, Boards and Flooring) and Square Timber.....	24,678	67,167	91,845	93,250
Wood-pulp.....	814	53,497	54,311	1,409
Cement, common or portland.....	41,270	.....	41,270	38,542
Coal, anthracite.....	15,412	.....	15,412	.....
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	388	11,418	11,806	6,698
Flour, wheat.....	1,213	10,144	11,357	14,394
Food-stuffs, canned or preserved, not otherwise specified.....	3,979	3,259	7,238	4,315
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	473	6,243	6,716	25,913
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	2,131	1,698	3,829	3,604
Beverages, alcoholic.....	1,113	726	1,839	2,578
Paper, newsprint.....	405	1,304	1,709	25,503
Fertilizers and Fertilizer Materials.....	459	1,042	1,501	1,289
Salt.....	1,029	163	1,192	2,486
Meats, chilled, fresh or frozen.....	829	59	888	1,514
All Goods not otherwise specified.....	112,388	25,506	137,894	74,679
Total.....	1,039,845	385,081	1,424,926	1,241,469

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1944, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1944.....			
1943.....			
1942.....			
1941.....			
1940.....	7,985	585	8,570
<i>Coastwise—</i>			
1944.....	39,823	35,745	75,568
1943.....	22,931	25,181	48,112
1942.....	18,215	21,358	39,573
1941.....	18,123	19,363	37,486
1940.....	15,422	14,714	30,136
<i>Total—</i>			
1944.....	39,823	35,745	75,568
1943.....	22,931	25,181	48,112
1942.....	18,215	21,358	39,573
1941.....	18,123	19,363	37,486
1940.....	23,407	15,299	38,706

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1944, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....	671,802	2,996,584	3,668,386
1943.....		1,642,807	1,642,807
1942.....	117,012	2,970,486	3,087,498
1941.....	1,840,331	7,983,197	9,823,528
1940.....	4,349,273	6,332,577	10,681,850
<i>Via rail—</i>			
1944.....	5,818,547	536,586	6,355,133
1943.....	1,813,995	1,234,336	3,048,331
1942.....	2,908,975	479,640	3,388,615
1941.....	7,889,192	125,083	8,014,275
1940.....	3,305,018	857,245	4,162,263
<i>Via other—</i>			
1944.....	14,891	820,172	835,063
1943.....	19,166	853,889	873,055
1942.....	11,927	439,579	451,506
1941.....	2,027	515,795	517,822
1940.....	1,043	1,466,079	1,467,122
<i>Total—</i>			
1944.....	6,505,240	4,353,342	10,858,582
1943.....	1,833,161	3,731,032	5,564,193
1942.....	3,037,914	3,889,705	6,927,619
1941.....	9,731,550	8,624,075	18,355,625
1940.....	7,655,334	8,655,901	16,311,235

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1944, with comparison for 1943.

	1944	1943
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	10,824	12,841
Non-revenue cars.....	4,040	5,650
Total.....	14,864	18,491
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	5,626	7,529
Non-revenue cars.....	8,514	9,818
Total.....	14,140	17,347
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....		
Non-revenue cars.....		
Total.....		
<i>Switched locally—</i>		
Revenue cars.....	1,142	631
Non-revenue cars.....	1,142	631
Total.....	2,284	1,262
<i>Total—</i>		
Revenue cars.....	17,592	21,001
Non-revenue cars.....	13,696	16,099
Total.....	31,288	37,100

MAINTENANCE

Ordinary maintenance and repairs were carried out during the year at a total cost of \$148,665. The principal items were railway track repairs and renewals, repairs to No. 3 locomotive tender, strengthening and waterproofing leg boot tanks at the grain elevator, reconstruction of diver's scow, road repairs, painting siding of shed 27 and steel sashes of grain elevator workhouse and repairs to sheds and wharves damaged by a storm.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$913,706, as compared with \$762,645 in 1943, an increase of \$151,061. Operating and maintenance expenses were \$669,903, as against \$643,458 in 1943, an increase of \$26,445. Operating income, before capital charges, amounted to \$243,803, as compared with \$119,186 in 1943.

Net income deficit, after all charges, was \$1,188,418, the corresponding figure for the preceding year being \$1,311,539.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES

Harbour General		
Harbour Dues.....	\$ 8,374 71	
Miscellaneous.....	25,278 21	
	<u> </u>	\$ 33,652 92
Wharves and Piers		
Top Wharfage.....	82,069 66	
Dockage.....	43,945 53	
Miscellaneous.....	69,876 40	
	<u> </u>	195,891 59
Permanent Sheds		
Shed Rentals.....	48,475 73	
Storage.....	70,716 53	
	<u> </u>	119,192 26
Railway System.....		84,592 63
Grain Elevator System		
Elevation.....	56,286 15	
Storage.....	118,736 04	
Miscellaneous.....	15,352 71	
	<u> </u>	190,374 90
Cold Storage System		
Storage.....	100,068 99	
Miscellaneous.....	10,822 84	
	<u> </u>	110,891 83
Miscellaneous—Outsiders.....		179,109 59
		<u> </u>
		\$ 913,705 72

OPERATING EXPENSES

Administration.....		99,603 46
Operation and Maintenance		
Harbour Dredging.....	250 64	
Harbour General.....	78,834 94	
Vehicular Bridges.....	3,633 52	
Roads, Fences and Boundaries.....	8,499 06	
Sewers and Drains.....	579 03	
Wharves and Piers.....	42,286 60	
Permanent Sheds.....	22,234 84	
Railway System.....	111,596 46	
Grain Elevator System.....	113,692 50	
Cold Storage System.....	80,840 27	
Miscellaneous —Outsiders.....	107,851 72	
	<u> </u>	570,299 58
		<u> </u>
		669,903 04
Operating Income.....		243,802 68

INCOME RECEIVED FROM RESERVE FUNDS..... 7,156 84

MISCELLANEOUS INCOME CREDITS..... 1,501 56

8,658 40

Total Income..... 252,461 08

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserve.....	7,156 84	
Reserve for Bad Debts.....	1,567 30	
Miscellaneous Income Charges.....	3,953 59	
	<u> </u>	12,677 73
		<u> </u>
		239,783 35

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	1,228,201 56	
	<u> </u>	1,428,201 56

Net Income *Deficit*..... \$ 1,188,418 21

Harbour of Quebec

BALANCE SHEET AS AT DECEMBER 31, 1944

HARBOUR OF QUEBEC

39

ASSETS

FIXED—	
Harbour Dredging.....	\$ 3,940,855 55
Real Estate.....	290,482 99
Vehicular Bridges.....	172,304 28
Roads, Fences and Boundaries.....	129,167 35
Sewers and Drains.....	293,022 25
Miscellaneous Structures.....	134,603 77
Wharves and Piers.....	13,147,086 24
Permanent Sheds.....	3,275,963 63
Shed Hoists.....	12,000 00
Railway System.....	874,426 82
Grain Elevator System.....	3,743,358 72
Cold Storage System.....	718,945 44
Office Furniture and Appliances.....	14,478 36
Harbour Buildings.....	196,735 26
Central Heating Plants.....	11,300 46
Harbour Shops.....	33,758 74
Electric Power System.....	58,492 62
Water Supply System.....	30,303 31
Floating Equipment.....	105,724 81
Shore Equipment.....	61,632 01
Miscellaneous Small Plant.....	8,829 52
Sundry Expenditure (Undistributed).....	1,621,453 70
	<u>\$28,874,935 83</u>

CURRENT—	
Cash—Receiver General of Canada..\$	77,550 04
Cash—On Hand.....	77,262 21
Accounts Receivable.....	128,256 28
Less—Reserve for Bad Debts.....	2,066 49
Stores on Hand.....	125,619 79
Accrued Revenue.....	29,375 30
Other Assets.....	757 56
	<u>167 23</u>

SECURITY DEPOSITS.....	233,682 09
REPLACEMENT FUND.....	400 00
FIRE AND GENERAL INSURANCE FUND.....	404,892 80
PREPAID CHARGES.....	84,431 61
DEFERRED DEBITS.....	4,505 63
	<u>549 76</u>
	<u>\$29,603,397 72</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$27,765,994 73
Expenditure under Appropriations.....	2,592,677 67
	<u>\$30,358,672 40</u>

CURRENT—	
Accounts Payable.....	14,822 57
Salaries and Wages Payable.....	10,208 90
Matured Interest due Dominion Government..	28,292,370 49
Unclaimed Wages.....	19 21
	<u>28,317,421 17</u>

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	400 00
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RESERVES—	
Replacement.....	1,814,892 80
Fire and General Insurance.....	84,431 61
	<u>1,899,324 41</u>

DEFERRED CREDITS.....	7,138 70
	<u>60,582,956 68</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1943.....	29,791,140 75
Net Income Deficit for 1944.....	1,188,418 21
	<u>\$0,879,558 96</u>
	<u>\$29,603,397 72</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include 3 main wharves having some 7,400 linear feet of berthing with a minimum water depth of 30 feet alongside and 9 transit sheds with a total floor area of about 192,000 square feet.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	1,958	1,860,530
1943.....	1,778	1,424,227
1942.....	2,149	1,666,674
1941.....	2,545	2,204,960
1940.....	2,077	2,062,462
<i>Departures—</i>		
1944.....	1,958	1,860,530
1943.....	1,783	1,425,516
1942.....	2,144	1,665,336
1941.....	2,568	2,210,771
1940.....	2,129	2,061,990

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparison for 1943.

	1944		1943	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	52	190,452	34	118,508
Coastal or inland commercial (including fishery).....	1,906	1,670,078	1,744	1,305,719
Total.....	1,958	1,860,530	1,778	1,424,227
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	72	269,279	38	131,640
Coastal or inland commercial (including fishery).....	1,886	1,591,251	1,745	1,293,876
Total.....	1,958	1,860,530	1,783	1,425,516

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	365,262	376,707	741,969
1943.....	245,036	320,728	565,764
1942.....	182,146	306,360	488,506
1941.....	357,022	472,626	829,648
*1940.....	281,816	633,916	915,732
<i>Domestic—</i>			
1944.....	947,277	50,538	997,815
1943.....	629,487	11,153	640,640
1942.....	831,091	16,779	847,870
1941.....	1,154,272	12,652	1,166,924
*1940.....	1,095,933	134,234	1,230,167
<i>Total—</i>			
1944.....	1,312,539	427,245	1,739,784
1943.....	874,523	331,881	1,206,404
1942.....	1,013,237	323,139	1,336,376
1941.....	1,511,294	485,278	1,996,572
*1940.....	1,377,749	768,150	2,145,899

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparison for 1943.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons)	(Tons)	(Tons)
Pulpwood.....	692,967	.....	692,967	596,245
Coal, bituminous.....	405,787	5,267	411,054	238,229
Grain.....	120,675	208,096	328,771	135,369
Lumber (Planks, Boards and Flooring) and Square Timber.....	9,626	103,825	113,451	120,084
Petroleum Oil, fuel.....	40,729	35,949	76,678	5,853
Wood-pulp.....	.....	37,718	37,718	12,974
Gasoline.....	13,977	.....	13,977	9,254
Coke.....	13,784	.....	13,784	.....
Paper, newsprint.....	.....	12,103	12,103	13,538
Explosives, including Fuses and Blasting Caps.....	.....	10,940	10,940	.....
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	.....	3,497	3,497	19,363
Hay and Straw.....	.....	1,748	1,748	1,827
Box, Crate and Cooperage Materials, wooden.....	.....	504	504	.....
All Goods not otherwise specified.....	14,994	7,598	22,592	53,668
Total.....	1,312,539	427,245	1,739,784	1,206,404

(Exclusive of ballast (non revenue) bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1944, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....	4,017,263	6,924,003	10,941,266
1943.....		4,513,875	4,513,875
1942.....		3,127,845	3,127,845
1941.....	9,657,704	8,368,595	18,026,299
1940.....	11,225,154	12,530,717	23,755,871
<i>Via rail—</i>			
1944.....	6,684,245	769,724	7,453,969
1943.....	1,763,711	145,583	1,909,294
1942.....	3,214,966		3,214,966
1941.....	1,998,191	13,035	2,011,226
1940.....	2,535,924	184,988	2,720,912
<i>Via other—</i>			
1944.....		66,038	66,038
1943.....		63,665	63,665
1942.....		41,022	41,022
1941.....		47,820	47,820
1940.....		114,448	114,448
<i>Total—</i>			
1944.....	10,701,508	7,759,765	18,461,273
1943.....	1,763,711	4,723,123	6,486,834
1942.....	3,214,966	3,168,867	6,383,833
1941.....	11,655,895	8,429,450	20,085,345
1940.....	13,761,078	12,830,153	26,591,231

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$36,454. The principal items were the reconstruction of the ferry slip, repairs to Panneton wharf, repairs to the face of wharf leased to the Dominion Coal Company, replacing the rip rap on the approach to Cap Madeleine wharf, dredging the basin and one other berth to a minimum depth of 33 feet and dredging five additional berths to a minimum depth of 30 feet.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$224,934, as compared with \$199,024 in 1943, an increase of \$25,910. Operating and maintenance expenses were \$55,489, as against \$18,011 in 1943, an increase of \$37,478.

After charging interest and reserve for replacements, there was a net income deficit of \$82,281, the corresponding deficit in 1943 being \$76,170.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 6,829 94	
Miscellaneous.....	977 30	
	<hr/>	\$ 7,807 24

Wharves and Piers

Top Wharfage.....	75,586 88	
Dockage.....	33,040 26	
Miscellaneous.....	55,696 27	
	<hr/>	164,323 41

Permanent Sheds

Shed Rentals.....	50,856 07	
Miscellaneous—Outsiders.....	1,946 95	
	<hr/>	\$ 224,933 67

OPERATING EXPENSES

Administration.....	13,950 50	
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Operation and Maintenance

Harbour Dredging.....	21,309 50	
Harbour General.....	3,059 64	
Roads, Fences and Boundaries.....	144 05	
Wharves and Piers.....	14,264 49	
Permanent Sheds.....	2,351 22	
Miscellaneous—Outsiders.....	410 10	
	<hr/>	41,539 00

55,489 50

Operating Income.....	169,444 17
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INCOME RECEIVED FROM RESERVE FUNDS.....	59,862 45
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Total Income.....	229,306 62
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	59,862 45	
Reserve for Bad Debts.....	200 00	
Miscellaneous Income Charges.....	172 67	
	<hr/>	60,235 12

Income Available for Interest due Public.....	169,071 50
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INTEREST ON DEBT TO THE PUBLIC.....	23 42
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169,048 08

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	70,000 00	
Interest due Dominion Government.....	181,328 70	
	<hr/>	251,328 70

Net Income Deficit.....	\$ 82,280 62
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Harbour of Three Rivers BALANCE SHEET AS AT DECEMBER 31, 1944

ASSETS		LIABILITIES	
Fixed—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 1,204,777 00	Loans and Advances (Interest bearing).....	\$ 3,980,216 27
Roads, Fences and Boundaries.....	60,384 26	Expenditure under Appropriations.....	590,857 27
Miscellaneous Structures.....	1,281 16		<u>4,571,073 54</u>
Wharves and Piers.....	5,780,047 59		
Permanent Sheds.....	795,702 07		
Railway System.....	26,611 43		
Office Furniture and Appliances.....	1,542 07	CURRENT—	
Electric Power System.....	11,512 44	Accounts Payable.....	3,725 05
Water Supply System.....	10,894 44	Matured Interest Unpaid—	
Miscellaneous—Small Plant.....	450 59	Due Public.....	\$ 68 75
	<u>\$ 7,893,203 05</u>	Due Dominion Government.....	1,478,715 17
		Unclaimed Wages.....	1,478,783 92
CURRENT—		Matured Debentures due Public.....	75
Cash—Receiver General of Canada\$	30,365 39		<u>1,500 00</u>
Cash—On Hand.....	221 64		
Cash in Bank—Matured Debentures.....	1,568 75		
Accounts Receivable.....	10,180 69	RESERVES—	
Less—Reserve for Bad Debts.....	1,600 00	Replacement.....	769,676 71
Stores on Hand.....	<u>8,580 69</u>	Fire and General Insurance.....	24,068 44
	807 58		<u>793,745 15</u>
	<u>41,544 05</u>	DEFERRED CREDITS.....	<u>26,109 50</u>
			<u>6,874,938 81</u>
REPLACEMENT FUND.....	<u>768,683 01</u>	SURPLUS AND DEFICIT ACCOUNT—	
FIRE AND GENERAL INSURANCE FUND.....	<u>24,251 24</u>	Surplus as at December 31, 1943.....	2,106,083 27
PREPAID CHARGES.....	<u>29 95</u>	Deduct—	
DEFERRED DEBTS.....	<u>2,947 95</u>	Adjustments in 1944.....	\$ 168,082 21
	<u>\$ 8,730,659 25</u>	Net Income Deficit for 1944....	82,280 62
			<u>250,362 83</u>
			<u>1,855,720 44</u>
			<u>\$ 8,730,659 25</u>

HARBOUR OF MONTREAL

The Harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast. The ship channel, of which approximately 100 miles is dredged channel, provides a minimum depth of 32½ feet. The Harbour is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The Harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 105 berths, totalling about 10 miles of berthing accommodation; 26 transit sheds, with an aggregate floor area of over 2,063,000 square feet; also 4 grain elevators, with a total storage capacity of over 15,000,000 bushels, and 3½ miles of grain conveyor galleries; and a cold storage warehouse, with a capacity of 4,628,000 cubic feet. A 75-ton capacity floating crane and 10 locomotive cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	2,651	2,968,527
1943.....	2,624	2,575,832
1942.....	2,816	2,750,007
1941.....	4,379	5,074,320
1940.....	4,682	6,085,007
<i>Departures—</i>		
1944.....	2,678	3,051,404
1943.....	2,642	2,654,458
1942.....	2,831	2,781,887
1941.....	4,387	5,089,703
1940.....	4,678	6,070,145

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparison for 1943.

	1944		1943	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	215	838,401	64	198,265
Coastal or inland commercial (including fishery).....	2,436	2,130,126	2,560	2,377,567
Total.....	2,651	2,968,527	2,624	2,575,832
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	251	948,034	153	395,160
Coastal or inland commercial (including fishery).....	2,427	2,103,370	2,489	2,259,298
Total.....	2,678	3,051,404	2,642	2,654,458

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	1,527,907	2,291,525	3,819,432
1943.....	1,852,766	1,089,447	2,942,213
1942.....	1,743,197	1,600,935	3,344,132
1941.....	4,042,679	4,078,207	8,120,886
*1940.....	4,789,843	3,975,777	8,765,620
<i>Domestic—</i>			
1944.....	395,399	1,069,343	1,464,742
1943.....	353,627	961,034	1,314,661
1942.....	763,046	615,061	1,378,107
1941.....	1,653,440	1,283,429	2,936,869
*1940.....	2,648,912	1,713,063	4,361,975
<i>Total—</i>			
1944.....	1,923,306	3,360,868	5,284,174
1943.....	2,206,393	2,050,481	4,256,874
1942.....	2,506,243	2,215,996	4,722,239
1941.....	5,696,119	5,361,636	11,057,755
*1940.....	7,438,755	5,688,840	13,127,595

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparison for 1943.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	1,121,791	19,467	1,141,258	1,565,771
Grain.....	197,658	730,707	928,365	363,303
Gasoline.....	146,412	482,521	628,933	405,488
Petroleum Oil, fuel.....	41,555	387,050	428,605	363,031
Flour, wheat.....	.....	307,303	307,303	148,804
Coal, anthracite.....	157,707	10,919	168,626	62,279
Motor Vehicles and Parts.....	453	159,506	159,959	46,797
Military Supplies not otherwise specified.....	25,381	113,989	139,370	21,253
Lumber (Planks, Boards and Flooring) and Square Timber.....	22,037	111,001	133,038	215,782
Bauxite Ore.....	225	117,137	117,362	244,950
Meats, canned, cured, prepared or preserved.....	30	99,063	99,093	7,849
Ammunition and Fireworks.....	.....	97,523	97,523	11,294
Cement, common or portland.....	295	73,083	73,378	36,436
Gypsum, crude.....	59,344	10,774	70,118	2,718
Petroleum Oil, refined, not otherwise specified.....	118	66,212	66,330	74,950
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	.....	31,794	31,794	12,827
Meats, chilled, fresh or frozen.....	.....	28,966	28,966	602
Cheese.....	.....	26,067	26,067	6,403
Kerosene.....	18,023	6,034	24,057	2,709
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....	.....	22,897	22,897	7,856
Ferro-alloys.....	.....	22,413	22,413	10,720
Manganese Ore.....	10,080	10,080	20,160	.....
Paper, newsprint.....	612	18,168	18,780	6,692
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	841	17,079	17,920	8,635
Fish (including Shell-fish), canned or preserved.....	3	15,254	15,257	1,703
Fertilizers and Fertilizer Materials.....	315	14,589	14,904	1,320

Commodities	Inward 1944 (Tons)	Outward 1944 (Tons)	Total 1944 (Tons)	Total 1943 (Tons)
China ware, Earthenware and Porcelainware.....	13,306	32	13,338	75
Asbestos and Asbestos Manufactures.....	401	12,799	13,200	1,561
Grain Products (Mill Products except Wheat Flour).....		13,018	13,018	1,459
Paper not otherwise specified.....	466	11,241	11,707	4,282
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....		11,239	11,239	4,782
Box, Crate and Cooperage Materials, wooden.....		10,392	10,392	5,387
Dry Goods not otherwise specified.....	8,674	1,031	9,705	249
Salt.....	896	8,488	9,384	4,058
Pulpboard (except Wallboard).....		9,313	9,313	1,316
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....		8,788	8,788	3,000
Vegetables, dried.....		8,768	8,768	6,379
Zinc Spelter.....		8,394	8,394	626
Nuts.....	8,226	157	8,383	23
Eggs, dried, evaporated, desiccated or powdered.....		8,133	8,133	1,130
Cocoa Beans, Cocoa Preparations and Chocolate (except Confectionery).....	7,895	213	8,108	17
Benzol.....	5,992	1,949	7,941	6,462
Fruits, dried.....	7,760	80	7,840	140
Copper Concentrates, Matte and Ore.....	1,068	6,739	7,807	1,703
Calcium Carbide.....		7,743	7,743	4,945
Glass and Glass Manufactures.....	7,148	233	7,381	620
Wool, unmanufactured, and Wool Yarns.....	6,159	626	6,785	
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	132	6,608	6,740	14,114
Beverages, alcoholic.....	2,771	3,800	6,571	2,370
Wooden Manufactures not otherwise specified.....	1,005	5,556	6,561	704
Cereals.....		6,479	6,479	115
Wood-pulp.....		6,361	6,361	13,330
Lard and Lard Substitutes.....		6,324	6,324	1,762
Rubber Manufactures.....	52	6,080	6,132	1,233
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....		6,046	6,046	41,550
Iron or Steel Rails and Fastenings.....		5,880	5,880	3,253
Iron or Steel Manufactures not otherwise specified.....	432	4,878	5,310	4,342
Aluminum Manufactures not otherwise specified.....		5,186	5,186	31
All Goods not otherwise specified.....	48,043	163,698	211,741	495,684
Total.....	1,923,306	3,360,868	5,284,174	4,256,874

(Exclusive of ballast (non-revenue), bunkers, ship's stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1944, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1944.....	140	906	1,046
1943.....	16	20	36
1942.....	607	219	826
1941.....	2,554	1,758	4,312
1940.....	33,896	21,841	55,737
<i>Coastwise—</i>			
1944.....	67,657	57,857	125,514
1943.....	60,929	53,836	114,765
1942.....	59,014	55,273	114,287
1941.....	50,988	53,595	104,583
1940.....	23,701	22,364	46,065
<i>Total—</i>			
1944.....	67,797	58,763	126,560
1943.....	60,945	53,856	114,801
1942.....	59,621	55,492	115,113
1941.....	53,542	55,353	108,895
1940.....	57,597	44,205	101,802

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1944, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....	7,592,995	24,392,834	31,985,829
1943.....	2,056,840	9,977,970	12,034,810
1942.....	1,256,798	16,160,119	17,416,917
1941.....	13,405,841	34,714,802	48,120,643
1940.....	38,105,498	46,670,256	84,775,754
<i>Via rail—</i>			
1944.....	32,759,311	8,272,928	41,032,239
1943.....	18,048,090	11,624,710	29,672,800
1942.....	22,347,475	4,705,345	27,052,820
1941.....	28,622,487	3,887,573	32,510,060
1940.....	20,049,236	4,810,204	24,859,440
<i>Via other—</i>			
1944.....	19,883	3,482,882	3,502,765
1943.....	42,899	3,325,179	3,368,078
1942.....	61,707	2,317,288	2,378,995
1941.....	3,755	2,716,739	2,720,494
1940.....	7,715	3,863,824	3,871,539
<i>Total—</i>			
1944.....	40,372,189	36,148,644	76,520,833
1943.....	20,147,829	24,927,859	45,075,688
1942.....	23,665,980	23,182,752	46,848,732
1941.....	42,032,083	41,319,114	83,351,197
1940.....	58,162,449	55,344,284	113,506,733

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1944, with comparison for 1943.

	1944	1943
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	65,983	50,905
Non-revenue cars.....	6,760	11,535
Total.....	72,743	62,440
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	21,387	21,409
Non-revenue cars.....	50,569	41,424
Total.....	71,956	62,833
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	29,153	30,449
Non-revenue cars.....	22,221	25,056
Total.....	51,374	55,505
<i>Switched locally—</i>		
Revenue cars.....	1,675	1,928
Non-revenue cars.....	411	149
Total.....	2,086	2,077
<i>Total—</i>		
Revenue cars.....	118,198	104,691
Non-revenue cars.....	79,961	78,164
Total.....	198,159	182,855

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$434,657, excluding maintenance on Jacques Cartier Bridge, on which \$18,617 was expended. The larger items were repairs to railway system, grain elevator system, shore and floating equipment, wharves and piers, sheds, cold storage warehouse, harbour lighting and electric power system.

CAPITAL WORKS

Expenditures on capital amounted to \$18,767. Principal items were:

Construction of Flat Scows.—The construction of three flat scows 100 ft. x 30 ft. x 9 ft. deep which was suspended in 1942 by reason of the war was recommenced by the Board's forces but was not completed during the year due to labour shortage.

Minor items included the purchase of fire fighting equipment, the purchase of a stores shed at section 45, the construction of fenders for sections 26-27 and the fabrication of a railway crossing for the gantry rail at Vulcan wharf.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$4,698,030, as compared with \$3,786,305 in 1943, an increase of \$911,725. Operating and maintenance expenses were \$2,212,489, as against \$2,039,507 in 1943, an increase of \$172,982.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$859,690, as compared with \$1,602,765 in 1943.

The foregoing figures are exclusive of the operations of Jacques Cartier Bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 14,833 31	
Miscellaneous.....	13,194 22	
	<hr/>	\$ 28,027 53

Wharves and Piers

Top Wharfrage.....	906,607 27	
Dockage.....	208,466 07	
Miscellaneous.....	366,420 53	
	<hr/>	1,481,493 87

Permanent Sheds

Shed Rentals.....	119,326 25	
Storage.....	383,073 04	
Miscellaneous.....	1,840 40	
	<hr/>	504,239 69

Shed Hoists.....

45,065 61

Railway System.....

606,125 59

Grain Elevator System

Elevation.....	388,804 89	
Storage.....	658,310 05	
Miscellaneous.....	30,798 98	
	<hr/>	1,077,913 92

Cold Storage System

Storage.....	311,457 96	
Miscellaneous.....	43,776 73	
	<hr/>	355,234 69

Miscellaneous—Outsiders.....

599,929 20

\$ 4,698,030 10

OPERATING EXPENSES

Administration.....	333,740 26
Operation and Maintenance	

Harbour Dredging.....	10,144 47
Harbour General.....	195,042 95
Roads, Fences and Boundaries.....	30,955 72
Sewers and Drains.....	3,535 17
Wharves and Piers.....	48,931 79
Permanent Sheds.....	42,522 24
Shed Hoists.....	27,048 26
Railway System.....	528,248 72
Grain Elevator System.....	419,271 72
Cold Storage System.....	246,305 94
Miscellaneous—Outsiders.....	326,741 54
	<hr/>

1,878,748 52

2,212,488 78

Operating Income..... 2,485,541 32

INCOME RECEIVED FROM RESERVE FUNDS..... 436,053 74

MISCELLANEOUS INCOME CREDITS..... 3,971 35

440,025 09

Total Income..... 2,925,566 41

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	436,053 74
Miscellaneous Income Charges.....	349 25
	<hr/>

436,402 99

2,489,163 42

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	803,201 00
Interest due Dominion Government.....	2,545,652 91
	<hr/>

3,348,853 91

Net Income Deficit.....\$ 859,690 49

BALANCE SHEET AS AT DECEMBER 31, 1944

51

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 5,564,416 49	Loans and Advances (Interest bearing).....	\$60,014,637 53
Real Estate.....	2,210,611 46	Expenditure under Appropriations.....	4,601,910 34
Roads, Fences and Boundaries.....	780,882 46	Govt. Loans Applied for—Contra.....	4,024 42
Sewers and Drains.....	144,313 52		<u>\$64,620,572 29</u>
Miscellaneous Structures.....	400,781 27		
Wharves and Piers.....	24,932,357 85	ACCOUNTS PAYABLE—CONSTRUCTION.....	58 21
Permanent Sheds.....	6,707,238 75		
Shed Hoists.....	236,972 88	CURRENT—	
Railway System.....	4,082,162 28	Accounts Payable.....	78,551 07
Grain Elevator System.....	15,621,072 79	Salaries and Wages Payable.....	36,462 78
Cold Storage System.....	3,012,239 36	Matured Interest due Dominion Government..	12,407,681 14
Office Furniture and Appliances.....	37,802 38	Unclaimed Wages.....	333 20
Harbour Buildings.....	295,695 79		<u>12,523,028 19</u>
Central Heating Plants.....	14,579 46	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	95,360 60
Harbour Shops.....	285,176 44		
Electric Power System.....	979,643 64	RESERVES—	
Water Supply System.....	163,997 31	Replacement.....	5,670,947 69
Floating Equipment.....	765,946 14	Fire and General Insurance.....	556,071 29
Shore Equipment.....	381,289 71		<u>6,233,018 98</u>
Works under Construction.....	58,238 41	DEFERRED CREDITS.....	59,951 42
	<u>\$86,675,418 39</u>		<u>83,531,989 69</u>
CURRENT—		SURPLUS AND DEFICIT ACCOUNT—	
Cash—Receiver General of Canada \$ 527,087 86		Deficit as at December 31, 1943.....	8,169,072 67
Cash—On Hand.....	200 00	Net Income Deficit for 1944.....	859,690 49
			<u>9,028,763 16</u>
Accounts Receivable.....	427,329 90	Deduct—	
Less—Reserve for Bad Debts.....	1,210 51	Adjustments in 1944.....	3 59
			<u>9,028,759 57</u>
Advances due on Capital Account.....			
Stores on Hand.....			
Accrued Revenue.....			
Other assets.....	1,441 82		
	<u>1,482,739 17</u>		
SECURITY DEPOSITS.....	95,360 60		
REPLACEMENT FUND.....	5,672,860 29		
FIRE AND GENERAL INSURANCE FUND.....	556,071 29		
PREPAID CHARGES.....	13,221 67		
DEFERRED DEBITS.....	7,558 71		
	<u>\$74,503,230 12</u>		

JACQUES CARTIER BRIDGE—MONTREAL TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge during calendar year 1944, with comparisons for 1943.

	1944	1943
Passengers in vehicles.....	8,406,019	7,876,463
Automobiles (passenger).....	1,751,233	1,596,200
Trucks.....	383,286	336,296
Buses.....	85,800	62,700
All others.....	15,949	11,674
Total.....	10,642,287	9,883,333

REVENUES AND EXPENDITURES

Traffic over Jacques Cartier bridge increased substantially in 1944 and revenues were greater than in any previous year, amounting to \$600,238, as compared with \$520,121 in 1943, an increase of \$80,117. Operating and maintenance expenses were slightly higher, at \$99,098 in 1944, as compared with \$97,020 in the previous year.

After making provision for interest on bonds, reserves for depreciation and replacements, and other charges against income, there was a net income deficit of \$1,025,986, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and City of Montreal. The corresponding net income deficit in 1943 was \$1,113,958.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES—		
Bridge Tolls Collected.....	\$ 588,661 24	
Sundry Receipts.....	11,576 67	
	<u>\$</u>	600,237 91
OPERATING EXPENSES—		
Administration.....	24,446 26	
Operation.....	56,035 09	
Maintenance.....	18,616 87	
		<u>99,098 22</u>
Operating Income.....		501,139 69
INCOME RECEIVED FROM RESERVE FUNDS.....	26,985 20	
MISCELLANEOUS INCOME CREDITS.....	194 76	
		<u>27,179 96</u>
Total Income.....		528,319 65
MISCELLANEOUS DEDUCTIONS FROM INCOME—		
Income received from Reserve Funds transferred to Reserves.....	26,985 20	
Trustees' Fees, Commissions, etc.....	106,729 88	
Bond Discount.....	8,846 16	
		<u>142,561 24</u>
Income Available for Interest due Public.....		385,758 41
INTEREST ON DEBT TO THE PUBLIC.....		950,000 00
		<u>564,241 69</u>
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....	15,000 00	
Reserve for Depreciation.....	166,156 20	
Interest due Dominion Government.....	280,588 42	
		<u>461,744 62</u>
		1,025,986 31
Deduct—		
Proportion of Deficit Payable by:		
Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
		<u>300,000 00</u>
Net Income Deficit.....	\$	<u>725,986 31</u>

BALANCE SHEET AS AT DECEMBER 31, 1944

ASSETS		LIABILITIES	
Fixed— Bridge Structure, Right-of-Way, etc.....	\$18,045,971 47	DEBTURE INDEBTEDNESS TO PUBLIC— Forty-year 5% First Mortgage Guaranteed Gold Bonds, Maturing 1st November, 1969.....	\$19,000,000 00
CURRENT— Cash—Receiver General of Canada.\$	71,714 86	DOMINION GOVERNMENT ACCOUNT— Advances to meet interest on Bonds.....	5,840,056 00
Cash—On Hand.....	2,187 15	CURRENT— Accounts Payable.....	\$ 8,325 14
Cash in Bank—Coupon Account....	36,874 50	Salaries and Wages Payable.....	1,152 07
Accounts Receivable.....	6,657 43	Matured Interest due Dominion Government..	2,191,569 11
Province of Quebec— On Account of Deficit.....	150,000 00	Matured Interest due Public—Contra.....	36,874 50
City of Montreal— On Account of Deficit.....	150,000 00	Accrued Interest due Public.....	158,333 34
	306,657 43	RESERVES— Replacement—General.....	305,350 82
	417,433 94	Replacement—Paving.....	252,462 46
	557,543 03	Depreciation.....	2,159,872 48
REPLACEMENT FUND.....	8,338 99	DEFERRED CREDITS.....	354 16
MISCELLANEOUS FUNDS.....	219,680 34	SURPLUS AND DEFICIT ACCOUNT— Deficit as at December 31, 1943.....	9,376,353 61
BOND DISCOUNT SUSPENSE ACCOUNT.....	3,042 49	Net Income Deficit for 1944.....	725,986 21
PREFPAID CHARGES.....	\$19,852,010 26		10,102,339 82
			\$19,852,010 26

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with a storage capacity of 5,500,000 bushels with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1944, with comparisons for previous years.

—	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....	10,319,022	4,348,763	14,667,785
1943.....	1,870,683	373,085	2,243,768
1942.....	1,908,275	936,989	2,845,264
1941.....	6,027,526	1,165,919	7,193,445
1940.....	10,911,816	5,771,037	16,682,853
<i>Via rail—</i>			
1944.....	873,558	3,729,292	4,602,850
1943.....	336,820	4,021,431	4,358,251
1942.....	465,886	2,086,328	2,552,214
1941.....	166,493	4,618,218	4,784,711
1940.....	52,069	3,172,164	3,224,233
<i>Via other—</i>			
1944.....		480,792	480,792
1943.....		212,077	212,077
1942.....		92,702	92,702
1941.....	2,751	186,084	188,835
1940.....	333	325,618	325,951
<i>Total—</i>			
1944.....	11,192,580	8,558,847	19,751,427
1943.....	2,207,503	4,606,593	6,814,096
1942.....	2,374,161	3,116,019	5,490,180
1941.....	6,196,770	5,970,221	12,166,991
1940.....	10,964,218	9,268,819	20,233,037

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$12,785. The major items were repairs to electrical equipment, marine legs, lofters, drying equipment and railway trackage.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$257,750, as compared with \$112,692 in 1943, the increase being \$145,058. Operating and maintenance expenditures were \$110,575, as against \$74,418 in the previous year, an increase of \$36,157.

Net income surplus in 1944 was \$147,988, as against \$41,285 in the previous year, the increase being \$106,703. No charge for interest or depreciation is made in the accounts of this elevator.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES

Harbour General		
Miscellaneous.....	\$	268 00
Wharves and Piers		
Top Wharfage.....		1,027 63
Railway System.....		162 00
Grain Elevator System		
Elevation.....	\$	86,221 79
Storage.....		124,939 15
Miscellaneous.....		45,131 25
		<u>256,292 19</u>
	\$	257,749 82

OPERATING EXPENSES

Administration.....		12,295 66
Operation and Maintenance		
Grain Elevator System.....		98,279 37
		<u>110,575 03</u>

Operating Income..... 147,174 79

MISCELLANEOUS INCOME CREDITS..... 1,391 70

Total Income..... 148,566 49

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges..... 578 81

Net Income Surplus..... \$ 147,987 68

Prescott Elevator BALANCE SHEET AS AT DECEMBER 31, 1944

ASSETS

FIXED—	
Wharves and Piers.....	\$ 961,260 11
Railway System.....	373,248 47
Grain Elevator System.....	3,554,565 17
Office Furniture and Appliances.....	3,117 39
Miscellaneous Small Plant.....	2,388 57
	<u>\$ 4,894,579 71</u>

CURRENT—	
Cash—Receiver General of Canada	90,378 89
Cash—On Hand.....	32 24
	<u>90,411 13</u>
Accounts Receivable.....	82,523 37
Stores on Hand.....	6,966 90
Accrued Revenue.....	3,038 99
Other Assets.....	416 74
	<u>183,357 13</u>

PREPAID CHARGES.....	24 48
	<u>\$ 5,077,961 32</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Expenditure under Appropriations.....	\$ 4,903,824 76
CURRENT—	
Accounts Payable.....	2,662 43
Salaries and Wages Payable.....	1,456 64
Unclaimed Wages.....	0 34
	<u>4,119 31</u>

DEFERRED CREDITS.....	92 81
	<u>4,908,036 88</u>

SURPLUS AND DEFICIT ACCOUNT—	
Surplus as at December 31, 1943.....	72,536 50
Net Income Surplus for 1944.....	147,987 68
	<u>220,524 18</u>

Deduct—	
Adjustments in 1944.....	\$ 9,314 24
Payment to Dominion Govern- ment on account of Surplus Earnings.....	41,285 50
	<u>50,599 74</u>
	<u>169,924 44</u>
	<u>\$ 5,077,961 32</u>

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1944, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....	9,065,125	6,424,015	15,489,140
1943.....	4,058,365	278,455	4,336,820
1942.....	4,702,131	1,523,043	6,225,174
1941.....	5,801,434	2,381,375	8,182,809
1940.....	7,767,646	5,725,097	13,492,743
<i>Via rail—</i>			
1944.....	1,614	2,441,184	2,442,798
1943.....		4,325,750	4,325,750
1942.....		2,653,044	2,653,044
1941.....		2,560,818	2,560,818
1940.....		2,416,692	2,416,692
<i>Via other—</i>			
1944.....		185,298	185,298
1943.....		63,965	63,965
1942.....		80,096	80,096
1941.....		16,860	16,860
1940.....		689,936	689,936
<i>Total—</i>			
1944.....	9,066,739	9,050,497	18,117,236
1943.....	4,058,365	4,668,170	8,726,535
1942.....	4,702,131	4,256,183	8,958,314
1941.....	5,801,434	4,959,053	10,760,487
1940.....	7,767,646	8,831,725	16,599,371

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$19,213. The major items were overhauling automatic scales, and repairs to car haul, vessel shovel gear, marine legs, lofters, building structure, inside electrical circuits and vessel loading spouts.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$239,703, as compared with \$129,905 in 1943. Operating and maintenance expenses were \$97,107, the corresponding figure for 1943 being \$74,153.

Net income surplus for 1944 was \$142,740, as against \$56,620 in the previous year, an increase of \$86,120. No charge is made in the accounts of this facility for interest or depreciation on physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES

Elevation.....	\$ 77,201 89	
Storage.....	162,261 10	
Miscellaneous.....	240 16	
	<hr/>	\$ 239,703 15

OPERATING EXPENSES

Administration.....	16,230 49	
Operation and Maintenance.....	80,876 06	
	<hr/>	97,106 55

Operating Income.....	142,596 60
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MISCELLANEOUS INCOME CREDITS.....	1,218 28
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Total Income.....	143,814 88
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	1,075 23
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Net Income Surplus.....	\$ 142,739 65
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Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1944

ASSETS

FIXED—	
Real Estate.....	\$ 21,875 80
Wharves and Piers.....	533,644 00
Railway System.....	42,189 22
Grain Elevator System.....	1,765,427 02
Office Furniture and Appliances.....	2,768 94
Miscellaneous—Small Plant.....	6,149 16
	<u>\$ 2,372,054 14</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 145,865 79
Cash—On Hand.....	325 00
Accounts Receivable.....	146,190 79
Stores on Hand.....	24,055 53
	<u>25,945 09</u>
	196,191 41

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Expenditure under Appropriations.....	\$ 2,356,217 60
CURRENT—	
Accounts Payable.....	\$ 1,625 85
Salaries and Wages Payable.....	1,275 22
	<u>2,901 07</u>

SURPLUS AND DEFICIT ACCOUNT—	
Surplus as at December 31, 1943.....	128,707 22
Net Income Surplus for 1944.....	142,739 65
	<u>271,446 87</u>

Deduct—	
Payment to Dominion Government on account of Surplus Earnings.....	62,319 99
	<u>209,126 88</u>
	<u>\$ 2,568,245 55</u>

HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels, equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, a locomotive crane of 20 tons capacity, a floating crane of 10 tons capacity, shear legs of 35 tons capacity and a marine slipway capable of handling boats up to 1,200 tons weight.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	12	4,109
1943.....	35	25,026
1942.....	34	26,315
1941.....	19	2,027
1940.....	17	2,271
<i>Departures—</i>		
1944.....	12	4,109
1943.....	38	25,809
1942.....	34	26,254
1941.....	19	2,027
1940.....	17	2,271

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparison for 1943.

	1944		1943	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	3	3,434	18	21,223
Coastal or inland commercial (including fishery).....	9	675	17	3,803
Total.....	12	4,109	35	25,026
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	3	3,434	18	21,223
Coastal or inland commercial (including fishery).....	9	675	20	4,586
Total.....	12	4,109	38	25,809

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	20	280	300
1943.....		22,207	22,207
1942.....			
1941.....			
*1940.....			
<i>Domestic—</i>			
1944.....	45	1,103	1,148
1943.....	1,232	10,288	11,520
1942.....	122	26,563	26,685
1941.....	91	762	853
*1940.....	67	459	526
<i>Total—</i>			
1944.....	65	1,383	1,448
1943.....	1,232	32,495	33,727
1942.....	122	26,563	26,685
1941.....	91	762	853
*1940.....	67	459	526

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1944, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....			
1943.....		740,219	740,219
1942.....			
1941.....			
1940.....			
<i>Via rail—</i>			
1944.....			
1943.....			
1942.....			
1941.....			
1940.....	117,192		117,192
<i>Via other—</i>			
1944.....		25	25
1943.....			
1942.....			
1941.....			
1940.....			
<i>Total—</i>			
1944.....		25	25
1943.....		740,219	740,219
1942.....			
1941.....			
1940.....	117,192		117,192

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$19,788. The major items were repairs and maintenance of grain elevator system, floating and shore equipment.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$71,028, as compared with \$95,860 in 1943, a decrease of \$24,832. Expenditures on account of operation and maintenance decreased from \$132,372 in 1943 to \$128,635 in 1944, a difference of \$3,737.

After taking into account income credits and debits, there was a net income deficit of \$59,266, as compared with a deficit of \$29,848 shown in 1943, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES

Harbour General

Harbour Dues.....\$ 9 00

Miscellaneous.....310 00

\$ 319 00

Wharves and Piers

Top Wharfage.....218 00

Dockage.....300 00

518 00

Permanent Sheds

Storage.....598 10

Grain Elevator System

Storage.....47,320 94

Miscellaneous—Outsiders.....22,271 59

\$ 71,027 63

OPERATING EXPENSES

Administration.....22,918 46

Operation and Maintenance

Harbour Dredging.....4,448 47

Harbour General.....15,127 91

Roads, Fences and Boundaries.....1,723 05

Wharves and Piers.....3,345 97

Permanent Sheds.....1,136 12

Railway System.....1,554 13

Grain Elevator System.....57,672 82

Miscellaneous—Outsiders.....20,708 10

105,716 57

128,635 03

Operating Deficit.....

57,607 40

MISCELLANEOUS INCOME CREDITS.....

93 65

57,513 75

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....1,393 29

58,907 04

OTHER INCOME REQUIREMENTS

Interest due Dominion Government.....359 06

Net Income Deficit.....

\$ 59,266 10

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1944

HARBOUR OF CHURCHILL

63

ASSETS

FIXED—	
Harbour Dredging.....	\$ 1,180,299 95
Real Estate.....	60,277 58
Miscellaneous Structures.....	173,228 40
Wharves and Piers.....	1,367,768 68
Permanent Sheds.....	200,594 74
Railway System.....	32,732 20
Grain Elevator System.....	4,133,460 34
Harbour Buildings.....	147,300 05
Harbour Shops.....	13,299 71
Electric Power System.....	19,491 34
Water Supply System.....	407,897 10
Floating Equipment.....	779,981 03
Miscellaneous Small Plant.....	426,267 64
Engineering—General Surveys.....	109,441 06
Sundry Expenditure (Undistributed).....	3,774,378 35
	<u>\$12,826,418 17</u>

CURRENT—

Cash—Receiver General of Canada \$	783 53
Cash—On Hand.....	414 06
	<u>1,197 59</u>
Accounts Receivable.....	13,653 16
Stores on Hand.....	53,706 35
Accrued Revenue.....	61,281 12
	<u>129,838 22</u>

PREPAID CHARGES.....

	6 00
	<u>\$12,956,262 39</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$ 10,258 98
Expenditure under Appropriations.....	12,900,664 07
	<u>\$12,910,923 05</u>
CURRENT—	
Accounts Payable.....	\$ 30,802 06
Salaries and Wages Payable.....	3,305 44
Matured Interest due Dominion Government.....	718 12
Unclaimed wages.....	12 20
	<u>34,837 82</u>
DEFERRED CREDITS.....	
	<u>4,928 09</u>
	<u>12,950,688 96</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1943.....	21,303 86
Net Income Deficit for 1944.....	59,266 10
	<u>80,569 96</u>
DEDUCT—	
Adjustment in 1944.....	\$ 27,236 35
Govt. Grant re 1944 Deficit.....	86,907 04
	<u>86,143 39</u>
	<u>5,573 43</u>
	<u>\$12,956,262 39</u>

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year round, has a minimum depth of 35 feet. The Board has 3 piers, a wharf and 2 jetties, having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,779,500 bushels, a combined loading capacity of about 200,000 bushels per hour and 1½ miles of conveyer galleries. Besides, there are provided storage tanks with a capacity of over 470,000 imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish. A 40-ton fixed derrick is installed on Lapointe pier.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1944.....	24,530	9,081,029
1943.....	24,772	8,519,256
1942.....	26,997	9,294,511
1941.....	28,351	10,740,249
1940.....	27,403	11,347,860
<i>Departures—</i>		
1944.....	24,525	9,312,621
1943.....	24,858	8,799,244
1942.....	26,924	9,535,149
1941.....	28,204	10,712,045
1940.....	27,465	11,333,838

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1944, with comparison for 1943.

	1944		1943	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	348	1,397,855	216	865,645
Coastal or inland commercial (including fishery).....	24,182	7,683,174	24,556	7,653,611
Total.....	24,530	9,081,029	24,772	8,519,256
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	406	1,651,207	286	1,159,589
Coastal or inland commercial (including fishery).....	24,119	7,661,414	24,572	7,639,655
Total.....	24,525	9,312,621	24,858	8,799,244

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparisons for previous years.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1944.....	1,515,019	1,225,246	2,740,265
1943.....	1,264,257	576,246	1,840,503
1942.....	1,388,675	387,956	1,776,631
1941.....	1,440,405	688,180	2,128,585
*1940.....	1,591,313	1,095,258	2,686,571
<i>Domestic—</i>			
1944.....	2,772,580	1,298,445	4,071,025
1943.....	2,601,924	1,207,407	3,809,331
1942.....	2,806,720	1,206,817	4,013,537
1941.....	3,189,826	1,075,320	4,265,146
*1940.....	2,787,924	1,065,380	3,853,304
<i>Total—</i>			
1944.....	4,287,599	2,523,691	6,811,290
1943.....	3,866,181	1,783,653	5,649,834
1942.....	4,195,395	1,594,773	5,790,168
1941.....	4,630,231	1,763,500	6,393,731
*1940.....	4,379,237	2,160,638	6,539,875

* Includes ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage; not included in subsequent years.

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1944, with comparison for 1943.

Basis: Tons—W. (2,000 lbs.) or M. (40 cu. ft.)

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons)	(Tons)	(Tons)
Petroleum Oil, crude.....	1,152,127		1,152,127	980,156
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	989,569	160,159	1,149,728	984,225
Lumber (Planks, Boards and Flooring) and Square Timber.....	619,957	121,475	741,432	716,151
Petroleum Oil, fuel.....	114,920	332,775	447,695	362,603
Grain.....		437,208	437,208	142,405
Flour, wheat.....	22	269,549	269,571	59,577
Coal, bituminous.....	228,770	30,566	259,336	320,948
Sand and Gravel.....	209,093	5,898	214,991	185,370
Paper, newsprint.....	176,807	23,560	200,367	188,920
Gasoline.....	45,414	127,916	173,330	198,138
Wood-pulp.....	123,599	15,749	139,348	123,240
Motor Vehicles and Parts.....	5,016	107,021	112,037	87,172
Paper not otherwise specified.....	88,450	19,074	107,524	95,486
Hog Fuel.....		86,489	86,489	63,507
Sugar, raw.....	56,839		56,839	31,968
Machinery and Parts (except Agricultural).....	21,059	34,984	56,043	67,536
Fish (including Shell-fish), canned or preserved.....	30,123	21,962	52,085	40,670
Fertilizers and Fertilizer Materials.....	16,188	26,483	42,671	28,339
Cement, common or portland.....	33,285	5,133	38,418	38,863
Iron or Steel Rails and Fastenings.....	1,488	35,949	37,437	18,034
Wool, unmanufactured, and Wool Yarns.....	27,958		27,958	26,740
Chemicals not otherwise specified.....	7,004	18,623	25,627	35,202

Commodities	Inward 1944	Outward 1944	Total 1944	Total 1943
	(Tons)	(Tons)	(Tons)	(Tons)
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....		24,929	24,929	13,848
Fish (including Shell-fish), fresh or frozen.....	24,766	85	24,851	26,029
Lime.....	20,365	412	20,777	10,861
Beverages, alcoholic.....	6,782	12,119	18,901	17,314
Copra.....	18,794		18,794	8,150
Kerosene.....	14,925	3,404	18,329	13,122
Sulphur.....	2,644	12,139	14,783	18,510
Petroleum Oil, refined not otherwise specified.....	5,393	7,826	13,219	16,339
Boats (including Canoes) and Parts.....	50	13,090	13,140	3,121
Fish Oils.....	9,839	2,444	12,283	12,134
Hides, Leather and Leather Manufactures.....	11,709	101	11,810	3,983
Lead and Lead Manufactures.....		11,650	11,650	11,417
Lard and Lard Substitutes.....	1	11,467	11,468	1
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tinplate.....	71	11,328	11,399	5,460
Live Stock.....	9,408	1,109	10,517	8,770
Tallow, inedible.....	8,839		8,839	8,652
Salt.....	2,221	6,163	8,384	15,119
Nuts.....	7,875	11	7,886	22
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	28	7,512	7,540	9,913
Containers, returned empty.....	5,019	2,333	7,352	6,765
Tin and Tin Manufactures.....		7,098	7,098	6,746
Sugar, refined.....	2	6,978	6,980	2,290
Ammunition and Fireworks.....	3,592	3,218	6,810	18,911
Box, Crate and Cooperage Materials, wooden.....	716	5,891	6,607	4,251
Iron Ore.....	45	6,552	6,597	908
Coffee Beans and Coffee Preparations.....	5,916	5	5,921	3,786
Zinc Spelter.....		5,892	5,892	3,973
Ores and Concentrates not otherwise specified.....	5,812	21	5,833	5,849
Feed, animal or poultry, not otherwise specified.....	117	5,710	5,827	6,335
Fire-arms, Ordnance Guns and Parts.....	880	4,838	5,718	5,240
Fruits, dried.....	5,054		5,054	13,507
All Goods not otherwise specified.....	169,048	468,793	637,841	573,258
Total.....	4,287,599	2,523,691	6,811,290	5,649,834

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1944, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1944.....	247	34	281
1943.....	233	49	282
1942.....	42	86	128
1941.....	6,843	1,498	8,341
1940.....	6,166	5,746	11,912
<i>Coastwise—</i>			
1944.....	933,839	932,328	1,866,167
1943.....	923,395	920,234	1,843,629
1942.....	806,023	807,287	1,613,310
1941.....	782,336	788,237	1,570,573
1940.....	672,682	665,794	1,338,476
<i>Total—</i>			
1944.....	934,086	932,362	1,866,448
1943.....	923,628	920,283	1,843,911
1942.....	806,065	807,373	1,613,438
1941.....	789,179	789,735	1,578,914
1940.....	678,848	671,540	1,350,388

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1944, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1944.....		14,552,674	14,552,674
1943.....		4,853,270	4,853,270
1942.....		2,152,971	2,152,971
1941.....	214,181	2,828,467	3,042,648
1940.....	341,493	5,424,615	5,766,108
<i>Via rail—</i>			
1944.....	20,137,598	4,952,097	25,089,695
1943.....	9,094,135	5,433,190	14,527,325
1942.....	4,426,993	3,462,244	7,889,237
1941.....	5,665,782	2,736,842	8,402,624
1940.....	9,863,412	3,358,477	13,221,889
<i>Via other—</i>			
1944.....	18,839		18,839
1943.....	13,468		13,468
1942.....	101,506		101,506
1941.....	118,715		118,715
1940.....	139,788		139,788
<i>Total—</i>			
1944.....	20,156,437	19,504,771	39,661,208
1943.....	9,107,603	10,286,460	19,394,063
1942.....	4,528,499	5,615,215	10,143,714
1941.....	5,998,678	5,565,309	11,563,987
1940.....	10,344,693	8,783,092	19,127,785

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1944, with comparison for 1943.

	1944	1943
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	17,931	10,248
Non-revenue cars.....	5,467	4,540
Total.....	23,398	14,788
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	5,276	4,790
Non-revenue cars.....	17,695	9,520
Total.....	22,971	14,310
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	15,284	15,077
Non-revenue cars.....	13,875	13,860
Total.....	29,159	28,937
<i>Switched locally—</i>		
Revenue cars.....	906	398
Non-revenue cars.....	298	131
Total.....	1,204	529
<i>Total—</i>		
Revenue cars.....	39,397	30,513
Non-revenue cars.....	37,335	28,051
Total.....	76,732	58,564

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$110,583, excluding maintenance of Second Narrows Bridge, upon which \$18,078 was expended. The principal items were the renewal of grain spout booms at No. 1 jetty, progressive deck renewal at the fish wharf, replacement of the deck of the approach to Granville Island, repairs to concrete bin walls of No. 3 elevator, repairs to water mains, repairs and renewals to terminal railway buildings and installations, progressive deck renewal Second Narrows Bridge, roadway repairs and renewals, painting of sheds and grain gallery steel work and track maintenance.

CAPITAL WORKS

Capital expenditure, a small part of which was provided from Replacement Fund, amounted to \$23,459, the principal items being the extension of railway track No. 12, the construction of a float for berthing the M/V "Brockton", the replacement of a mooring buoy, alterations to the power supply system for the grain cranes at Ballantyne pier and the installation of a 40 ton derrick at Lapointe Pier. All items were completed except the last named, work upon which will be completed early in the new year.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$2,138,667, as compared with \$1,736,960 in 1943, an increase of \$401,707. Operating and maintenance expenditures showed an increase of \$245,838, the comparable figures being \$916,768 in 1944 and \$670,930 in 1943.

After taking into account income credits and debits and making provision for replacements and interest due the Dominion Government, there was a net income deficit of \$224,010, as compared with a deficit of \$379,572 in 1943.

HARBOUR OF VANCOUVER

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INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 52,003 19	
Cargo Rates.....	470,980 81	
Miscellaneous.....	536,821 06	
		\$ 1,059,805 06

Wharves and Piers

Top Wharfage.....	251,094 41	
Dockage.....	6,059 00	
Miscellaneous.....	18,602 41	
		275,755 82

Permanent Sheds

Shed Rentals.....	20,685 00	
Storage.....	192,600 69	
Miscellaneous.....	11,093 00	
		224,378 69

Railway System.....

310,331 71

Grain Elevator System

Rentals.....	230,930 79	
--------------	------------	--

Cold Storage System

Storage.....	2,662 00	
Miscellaneous.....	22,456 85	
		25,118 85

Miscellaneous—Outsiders.....

12,345 98

\$ 2,138,666 90

OPERATING EXPENSES

Administration.....	127,030 38	
---------------------	------------	--

Operation and Maintenance—

Harbour General.....	384,299 31	
Roads, Fences and Boundaries.....	601 61	
Wharves and Piers.....	59,310 23	
Permanent Sheds.....	83,133 93	
Shed Hoists.....	1,073 31	
Railway System.....	227,848 77	
Grain Elevator System.....	6,936 28	
Cold Storage System.....	15,809 75	
Miscellaneous — Outsiders.....	10,724 08	
		789,737 27

916,767 65

Operating Income.....	1,221,899 25
-----------------------	--------------

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	321,506 77
---	------------

MISCELLANEOUS INCOME CREDITS.....	39,232 30
-----------------------------------	-----------

360,739 07

Total Income.....	1,582,638 32
-------------------	--------------

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	320,371 53	
Reserve for Bad Debts.....	4,179 71	
Miscellaneous Income Charges.....	299 85	
		324,851 09

1,257,787 23

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	250,000 00	
Interest due Dominion Government.....	1,231,797 39	
		1,481,797 39

Net Income Deficit.....	\$ 224,010 16
-------------------------	---------------

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge during calendar year 1944, with comparison for 1943.

	1944	1943
Passengers in Vehicles and Pedestrians.....	2,108,782	2,314,973
Automobiles (Passenger).....	649,197	713,982
Trucks, including Buses.....	135,447	114,400
All others.....	637	605
Total.....	2,894,063	3,143,960

REVENUES AND EXPENDITURES

Operating revenues amounted to \$137,585, as compared with \$144,645 in 1943, a decrease of \$7,060. Operating and maintenance expenses were \$62,037 as against \$61,024 in 1943, an increase of \$1,013.

After charging interest on debt to Vancouver harbour and reserve for replacements, the bridge showed a surplus for the year of \$30,876, as compared with \$36,923 in 1943.

The sum of \$33,873 was applied in reduction of indebtedness incurred for the reconstruction of the bridge, bringing to \$269,133 the amount repaid from earnings. Indebtedness outstanding at December 31, 1944 amounted to \$741,275, of which \$115,214 represented matured instalments.

INCOME STATEMENT FOR THE CALENDAR YEAR 1944

OPERATING REVENUES—		
Bridge Tolls.....	\$ 134,336 54	
Sundry Receipts.....	3,248 60	
		\$ 137,585 14
OPERATING EXPENSES—		
Administration.....	4,789 08	
Operation.....	39,169 14	
Maintenance.....	18,078 41	
		62,036 63
Operating Income.....		75,548 51
INCOME RECEIVED FROM RESERVE FUNDS.....		1,937 96
Total Income.....		77,486 47
MISCELLANEOUS DEDUCTIONS FROM INCOME—		
Income received from Reserve Funds transferred to Reserve.....		1,937 96
		75,548 51
INTEREST ON DEBT TO VANCOUVER HARBOUR.....		38,757 44
		36,791 07
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....		5,915 17
Operating Surplus (Before providing for instalments of principal).....	\$ 30,875 90	

Second Narrows Bridge—Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1944

ASSETS		LIABILITIES	
FIXED—		CAPITAL—	
Capital Cost Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured Balance....	\$ 626,060 80
Office Furniture and Appliances.....	505 32		
CURRENT—		CURRENT—	
Cash—Rec. Gen. of Canada.....	\$ 378 75	Accounts Payable.....	\$ 115 46
Cash—On Hand.....	980 75	Ticket Liability.....	4,648 97
		Vancouver Harbour—Matured Instalment Un-	115,214 39
		paid.....	119,978 82
Accounts Receivable.....	1,359 50		
Accrued Revenue.....	343 58	RESERVES—	
		Replacement.....	70,120 49
	432 88	DEFERRED CREDITS.....	8 33
			816,168 44
REPLACEMENT FUND.....	2,135 96	SURPLUS ACCOUNT (Representing Repayment of	
		Principal out of Income)—	
		Balance as at December 31, 1943.....	235,259 12
	70,120 49	Add—	
		Balance 1943 Operating Surplus applied to	2,997 59
		Repayment of Principal.....	
PREPAID CHARGES.....	2,131 48		
		Operating Surplus for 1944 applied to Re-	238,256 71
		payment of Principal.....	30,875 90
			269,132 61
			<u>\$ 1,085,301 05</u>

This Balance Sheet is drawn up so as to reflect the terms of an Agreement, dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statement of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

RÉVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1944

REVENUE—

Assessments.....	\$	153,508 44	
Sundry Receipts.....		0 17	
		<hr/>	\$ 153,508 61

EXPENDITURE—

Salaries.....	\$	109,063 24	
Travelling Expenses.....		5,947 75	
Advertising.....		1,981 35	
Office Expenses.....		22,196 53	
Treasury Office—Salaries and Expenses.....		14,319 74	
		<hr/>	\$ <u>153,508 61</u>

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1944

ASSETS		LIABILITIES	
Fixed—		Current—	
Office Furniture and Appliances.....\$		Accounts Payable.....\$	1,237 22
Current—			
Cash—Receiver General of Canada.....\$	459 99		
Cash—On Hand.....	10 20		
Accounts Receivable.....	767 03		
		GENERAL WORKMEN'S COMPENSATION ACCOUNTS—	
		Accounts Payable.....\$	9,349 95
		Reserve.....	276,591 02
			<u>285,940 97</u>
GENERAL WORKMEN'S COMPENSATION FUND—			
Cash and Securities.....	280,266 67		
Accounts Receivable.....	5,674 30		
	<u>285,940 97</u>		
PENSION FUND—			
Cash.....	469,982 13		
Accounts Receivable.....	28,676 38		
	<u>498,658 51</u>		
		SURPLUS AND DEFICIT ACCOUNT—	
		Surplus as at December 31, 1943.....	3,936 73
		Deduct—	
		Adjustments in 1944.....	207 95
			<u>3,728 78</u>
			<u>\$ 789,565 48</u>



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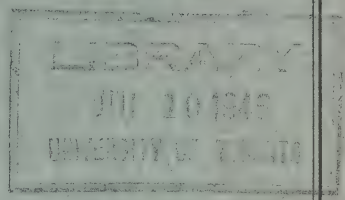
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ANNUAL REPORT

OF THE

NATIONAL HARBOURS
BOARD

For Calendar Year

1945



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1946

Price, 25 cents

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-110

ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1945



OTTAWA
EDMOND CLOUTIER
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1946

NATIONAL HARBOURS BOARD

R. K. Smith K.C.....	Chairman.
J. E. St. Laurent.....	Vice-Chairman.
B. J. Roberts.....	Member.

F. W. Riddell.....	Executive Secretary.
C. P. Buckley.....	Assistant Secretary.
E. G. Cameron.....	Chief Engineer.
W. C. Perron.....	Traffic Officer.

Halifax.....	R. W. Hendry.....	Port Manager.
Saint John.....	Alex Gray.....	Port Manager and Chief Engineer.
Chicoutimi.....	Jean Côté.....	Acting Port Manager.
Quebec.....	Louis Beaudry.....	Port Manager and Chief Engineer.
Three Rivers.....	J. R. Larivière.....	Port Manager.
Montreal.....	Alex. Ferguson.....	Port Manager.
Prescott.....	G. T. Birch.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	K. J. Burns.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 20, 1946.

To the Honourable LIONEL CHEVRIER, M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the tenth annual report of the National Harbours Board, covering the operations for the calendar year 1945, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING

Vessel arrivals in 1945 numbered 38,467, the aggregate net registered tonnage being 29,046,089. In 1944, the comparable figures were 38,042 vessels, aggregating 27,019,836 net registered tons. The following statement shows the number and tonnage of vessels which arrived at and departed from harbours under the administration of the Board in the past five years:

VESSELS—ARRIVALS AND DEPARTURES

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	38,467	29,046,089
1944.....	38,042	27,019,836
1943.....	39,041	27,400,898
1942.....	43,432	32,680,820
1941.....	47,333	38,634,005
<i>Departures—</i>		
1945.....	38,724	29,196,004
1944.....	37,983	27,079,680
1943.....	39,177	27,829,502
1942.....	43,404	33,157,211
1941.....	47,228	38,685,964

(Exclusive of naval vessels.)

CARGO TONNAGE

In 1945, the aggregate volume of water-borne cargo, inward and outward, was greater than in the previous year by 4,816,923 tons, or 19 per cent. The figures were 30,082,947 tons in 1945, as compared with 25,266,024 tons in 1944. The increase was almost entirely due to the greater quantity of grain shipped overseas.

The movement of goods outward, for destinations abroad, was the greatest in the records of the Board. Inward cargo from abroad showed a small increase over the previous year but was only 60 per cent of the import tonnage in 1938.

Domestic traffic showed an upward trend but it also was appreciably lower than prior to the war.

The following statement summarizes the volume of water-borne cargo tonnage in 1945 and the four previous years:

CARGO TONNAGE—SUMMARY

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.).

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	6,798,404	13,396,284	20,194,688
1944.....	6,349,777	10,261,692	16,611,469
1943.....	6,411,135	8,763,289	15,174,424
1942.....	5,740,458	8,115,814	13,856,272
1941.....	8,789,266	10,307,628	19,096,894
<i>Domestic—</i>			
1945.....	7,257,650	2,630,609	9,888,259
1944.....	5,807,949	2,846,606	8,654,555
1943.....	5,050,093	2,703,887	7,753,980
1942.....	5,962,609	2,270,635	8,233,244
1941.....	7,841,263	2,964,361	10,805,624
<i>Total—</i>			
1945.....	14,056,054	16,026,893	30,082,947
1944.....	12,157,726	13,108,298	25,266,024
1943.....	11,461,228	11,467,176	22,928,404
1942.....	11,703,067	10,386,449	22,089,516
1941.....	16,630,529	13,271,989	29,902,518

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage.)

REVENUES AND EXPENDITURES

Operating revenues of all units administered by the Board amounted to \$13,395,824, as compared with \$12,538,318 in 1944. The increase was \$857,506, or 7 per cent. Substantially higher revenues were obtained from the operation of wharves and piers and grain elevators. The earnings of other facilities, such as terminal railways, cold storage warehouses, sheds and equipment were lower than in the preceding year.

Expenses of administration, operation and maintenance in 1945 were \$6,851,249, as against \$5,999,089 in 1944, showing an increase of \$852,160, or 14 per cent. Operating expenses of grain elevators accounted for more than one-half of this increase, shipments of grain being, in the aggregate, over 109,000,000 bushels in excess of the quantity handled in 1944. Maintenance expenses of all facilities were \$327,000 higher than in 1944. During the past year, wages of employees were revised, effective July 1, 1944, in accordance with governmental direction. The accounts for 1945 reflect the upward adjustment over the whole year and, in addition, include approximately \$100,000 for retroactive payments in respect of the latter half of 1944.

As the increase in current expenses absorbed almost the entire increase in operating revenues, the operating income varied only slightly from that shown in the previous year, being \$6,544,575 for 1945 as against \$6,539,229 in 1944.

After taking into account debits and credits to income, and charging interest and reserve for replacements, the operations for 1945 resulted in a net income deficit of \$3,088,650. The corresponding figure for 1944 was \$3,097,623. The net improvement over 1944 was, therefore, \$8,973.

The operations of the board fall into two divisions: first, the seven harbours administered by local commissioners prior to 1936, and secondly, the grain elevators at Prescott and Port Colborne and the harbour of Churchill which were entrusted to the Board for operation at the beginning of 1937. Consolidated income statements for each of these divisions are set out below.

The seven harbours referred to—Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver—had aggregate operating revenues in 1945 of \$12,840,538, as compared with \$11,969,838 in 1944. The increase was \$870,700, or 7 per cent. Expenses of administration, operation and maintenance increased from \$5,662,772 in 1944 to \$6,433,449 in 1945, the difference being \$770,677, or 14 per cent. Operating income rose from \$6,307,066 in 1944 to \$6,407,089 in 1945.

After taking into account income debits and credits and charging interest and reserve for replacements, a net income deficit of \$3,235,047 was shown for these harbours in 1945. The corresponding figure for 1944 was \$3,329,084. The improvement was, therefore, \$94,037.

The following is a comparative income statement for the seven harbours referred to for each of the years 1941 to 1945 inclusive:—

CONSOLIDATED INCOME STATEMENT

HARBOURS OF HALIFAX, SAINT JOHN, CHICOUTIMI, QUEBEC, THREE RIVERS, MONTREAL AND VANCOUVER

	1945	1944	1943	1942	1941
OPERATING REVENUES.....	\$12,840,538	11,969,838	\$10,522,624	\$9,867,022	\$10,739,388
OPERATING AND MAINTENANCE EXPENSES	6,433,449	5,662,772	4,996,630	4,924,933	4,650,727
Operating Income.....	6,407,089	6,307,066	5,525,994	4,942,089	6,088,661
MISCELLANEOUS CREDITS (Net).....	54,497	55,936	26,937	54,050	51,750
Total Income.....	6,461,586	6,363,002	5,552,931	4,888,039	6,036,911
INTEREST DUE PUBLIC.....	1,012,703	1,014,307	1,024,431	1,025,796	1,042,815
	5,448,883	5,348,695	4,528,500	3,862,243	4,994,096
OTHER INCOME REQUIREMENTS—					
Reserve for Replacements.....	1,934,562	1,940,272	1,969,730	1,964,301	1,962,227
Interest due Government.....	7,049,368	7,037,507	7,013,031	7,001,401	7,026,717
	8,983,930	8,977,779	8,982,761	8,965,702	8,988,944
Deduct—					
Special Contributions to Deficits					
(Bridge—Montreal).....	300,000	300,000	300,000	300,000	300,000
Net Income Deficit.....	\$3,235,047	\$3,329,084	\$4,154,261	\$4,803,459	\$3,694,848

Consolidated income statement for the grain elevators at Prescott and Port Colborne and the harbour of Churchill showed operating revenues of \$555,285 in 1945, as compared with \$568,481 in 1944. Operating and maintenance expenses were \$417,799, as against \$336,317 in the previous year. The surplus of revenues over expenditures was \$146,397, as compared with \$231,461, a decrease of \$85,064. The quantity of grain handled at Prescott and Port Colborne was much greater than in 1944, with consequent increased operating cost. Earnings from storage were sharply reduced. These changes affected net earnings of these facilities adversely. Due to increased operating and maintenance costs, the harbour of Churchill showed a somewhat greater loss than in 1944. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1945, showing also comparative figures for the preceding four years:

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1945	1944	1943	1942	1941
Operating Revenues.....	\$555,285	\$568,481	\$338,457	\$549,782	\$450,041
Operating and Maintenance Expenses....	417,799	336,317	280,944	294,848	268,562
	137,486	232,164	57,513	254,934	181,479
Other Debits and Credits (Net).....	8,911	703	10,545	590	1,510
Net Income Surplus.....	\$146,397	\$231,461	68,058	\$255,524	\$179,969

The following statistical record is submitted showing operating revenues, operating expenses and operating income of each unit under the administration of the Board, together with combined totals for all units:

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Halifax.....1935	500,936	504,851	3,915*
1936	510,179	433,040	77,139
1937	581,740	429,472	152,268
1938	599,856	420,765	179,091
1939	744,470	420,841	323,629
1940	1,225,787	547,285	678,502
1941	1,593,478	803,052	790,426
1942	1,832,318	889,120	943,198
1943	1,848,330	1,000,664	847,666
1944	1,801,217	1,116,104	685,113
1945	1,653,732	1,033,935	619,797
Saint John.....1935	322,954	272,860	50,094
1936	367,448	256,380	111,068
1937	435,952	240,302	195,650
1938	445,726	242,544	203,182
1939	466,004	237,882	228,122
1940	661,359	258,901	402,458
1941	776,066	264,971	511,095
1942	1,133,509	319,114	814,395
1943	1,492,579	440,134	1,052,445
1944	1,423,537	512,482	911,055
1945	1,458,507	494,698	963,809
Chicoutimi.....1935	13,328	20,401	7,073*
1936	21,307	18,639	2,668
1937	21,750	14,361	7,389
1938	21,254	13,374	7,880
1939	20,414	14,078	6,336
1940	34,139	15,247	18,892
1941	30,339	16,100	14,239
1942	30,067	16,887	13,180
1943	32,016	25,880	6,136
1944	31,923	18,402	13,521
1945	30,723	20,719	10,004
Quebec.....1935	466,474	781,758	315,284*
1936	482,542	673,838	191,296*
1937	447,780	572,334	124,554*
1938	488,013	537,316	49,303*
1939	469,424	492,203	22,779*
1940	684,988	504,078	180,910
1941	710,867	583,546	127,321
1942	620,030	760,012	139,982*
1943	762,644	643,458	119,186
1944	913,705	669,903	243,802
1945	944,190	797,714	146,476
Three Rivers.....1935	93,076	47,837	45,239
1936	122,347	32,191	90,156
1937	172,309	18,023	154,286
1938	191,881	33,242	158,639
1939	165,682	18,147	147,535
1940	237,924	44,905	193,019
1941	243,911	38,930	204,981
1942	185,738	22,603	163,135
1943	199,023	18,011	181,012
1944	224,933	55,489	169,444
1945	294,648	32,165	262,483
Montreal.....1935	4,032,770	2,394,967	1,637,803
1936	4,238,836	2,209,179	2,029,657
1937	4,377,350	2,136,800	2,240,550
1938	4,917,837	2,095,656	2,822,181
1939	4,469,097	1,987,928	2,481,169
1940	5,117,818	2,116,681	3,001,137
1941	5,174,415	2,214,748	2,959,667
1942	3,797,440	2,167,596	1,629,844
1943	3,786,305	2,039,507	1,746,798
1944	4,698,030	2,212,488	2,485,542
1945	5,484,859	2,928,685	2,556,174

* Deficit.

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Jacques Cartier Bridge—(Montreal).....	1935	347,698	145,439	202,259
	1936	354,867	91,861	263,006
	1937	423,785	84,550	339,235
	1938	445,945	91,785	354,160
	1939	463,124	91,266	371,858
	1940	474,270	103,167	371,103
	1941	589,768	105,870	483,898
	1942	537,406	102,903	434,503
	1943	520,120	97,020	423,100
	1944	600,237	99,098	501,139
	1945	604,629	105,422	499,207
Prescott.....	1936	173,671	92,715	80,956
	1937	57,257	81,888	24,631*
	1938	68,989	75,204	6,215*
	1939	242,741	74,778	167,963
	1940	284,271	93,384	190,887
	1941	215,606	86,126	129,480
	1942	233,718	82,399	151,319
	1943	112,691	74,418	38,273
	1944	257,750	110,575	147,175
	1945	195,723	119,422	76,301
Port Colborne.....	1936	190,723	114,495	76,228
	1937	126,457	99,546	26,911
	1938	249,622	133,319	116,303
	1939	255,659	119,207	136,452
	1940	212,648	91,660	120,988
	1941	164,167	79,937	84,230
	1942	171,280	73,100	98,180
	1943	129,905	74,153	55,752
	1944	239,703	97,106	142,597
	1945	292,777	145,711	147,066
Churchill.....	1936	84,443	280,458	196,015*
	1937	6,418	148,331	141,915*
	1938	83,867	136,491	52,624*
	1939	108,264	154,672	46,408*
	1940	70,518	110,184	39,666*
	1941	70,267	102,499	32,232*
	1942	144,782	139,348	5,434
	1943	95,860	132,372	36,512*
	1944	71,028	128,635	57,607*
	1945	66,785	152,666	85,881*
Vancouver.....	1935	1,537,044	736,554	800,490
	1936	1,792,980	718,997	1,073,983
	1937	1,636,648	708,830	927,818
	1938	1,453,905	566,397	887,508
	1939	1,578,036	590,743	987,293
	1940	1,480,904	568,853	912,051
	1941	1,476,586	568,309	908,277
	1942	1,568,977	588,502	980,475
	1943	1,736,959	670,930	1,066,029
	1944	2,138,666	916,767	1,221,899
	1945	2,199,550	956,434	1,243,116
Second Narrows Bridge—(Vancouver).....	1935	113,168	71,083	42,085
	1936	140,089	60,586	79,503
	1937	164,899	62,611	102,288
	1938	178,039	62,630	115,409
	1939	110,225	57,074	53,151
	1940	117,569	52,480	65,089
	1941	143,955	55,201	88,754
	1942	161,535	58,193	103,342
	1943	144,645	61,024	83,621
	1944	137,585	62,037	75,548
	1945	169,701	63,677	106,024
All Units.....	1935	7,427,448	4,975,750	2,451,698
	1936	8,479,432	4,982,379	3,497,053
	1937	8,452,355	4,598,442	3,853,913
	1938	9,144,935	4,408,724	4,736,211
	1939	9,093,140	4,258,821	4,834,319
	1940	10,602,199	4,506,827	6,095,372
	1941	11,189,428	4,919,289	6,270,139
	1942	10,416,805	5,219,781	5,197,024
	1943	10,861,081	5,277,574	5,583,507
	1944	12,538,318	5,999,089	6,539,229
	1945	13,395,824	6,851,249	6,544,575

* Deficit. † Does not include Prescott Elevator, Port Colborne Elevator and Churchill Harbour.

CAPITAL EXPENDITURES

Capital expenditures during 1945 amounted to \$245,202. An additional sum of \$21,151, charged to reserves, was expended on replacement of physical assets, the total outlay being \$266,353, as follows:

<i>Capital—</i>	
Halifax.....	\$ 181,344
Three Rivers.....	867
Montreal.....	44,676
Vancouver.....	18,315
	<hr/>
	\$ 245,202
 <i>Replacements of Physical Assets—</i>	
Montreal.....	\$ 19,376
Vancouver.....	1,775
	<hr/>
	21,151
	<hr/>
	\$ 266,353

These expenditures were financed as follows: \$62,387 by advances from the Dominion Treasury, on which interest at the rate of $3\frac{1}{2}$ per cent per annum is charged; \$182,815, being for expenditures attributable to the war, by a direct charge to allotments under the War Appropriation Act, without interest; and \$21,151, representing the book value of assets replaced, by withdrawals from special funds.

The book value of fixed assets as at December 31, 1945 was \$224,762,142. Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

In addition to the sum of \$245,202 shown above as being required for capital expenditures, the following additional amounts were obtained from the Dominion Treasury; an advance of \$558,125 to cover cash deficit resulting from the operations of Jacques Cartier Bridge, Montreal; and a payment of \$85,859 representing the loss on the operation of the harbour of Churchill. The total financial assistance in respect of the year's operations was \$889,186.

On the other hand, payments by the Board to the Dominion Treasury during 1945 totalled \$4,611,023, made up as follows: interest on advances, \$4,200,000; earnings of Port Colborne elevator, \$142,740, and of Prescott elevator, \$147,988 (being for the year 1944); and refund of advances for capital expenditures in previous years \$120,295.

An advance for working capital, under Section 28 of the National Harbours Board Act, in the amount of \$30,000, was required for Churchill harbour during the year.

Reserve funds in the form of investments or cash balances on deposit with the Receiver General of Canada had a book value of \$21,002,186 as at December 31, 1945, the net increase during the year being \$2,981,296. Investments had a book value of \$19,799,728 and a market value of \$20,285,319. These reserves have been set aside from earnings for the replacement of physical assets (as from Jan. 1, 1936) and for insurance and workmen's compensation funds. They also include the Board's Pension Fund.

During the year, debentures of Vancouver harbour amounting to \$1,004,900, bearing interest at 5%, matured and certificates of indebtedness, bearing interest at $3\frac{1}{2}$ %, were issued to the Government in substitution therefor.

As provided by Section 31 of the National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

AUDIT

The Auditor General of Canada has carried on a continuous audit of the accounts.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, supplemented by traffic statistics and information respecting works carried on during the year, are appended to this report.

Respectfully submitted,

R. K. SMITH,
Chairman.

F. W. RIDDELL,
Executive Secretary.

J. E. ST. LAURENT,
Vice-Chairman.

B. J. ROBERTS.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES—		
Harbour General—		
Harbour Dues.....	\$ 188,124 57	
Cargo Rates.....	500,714 84	
Miscellaneous.....	536,220 31	
	<hr/>	\$ 1,225,059 72
Wharves and Piers—		
Top Wharfage.....	3,040,886 91	
Dockage.....	1,157,049 67	
Miscellaneous.....	557,256 90	
	<hr/>	4,755,193 48
Permanent Sheds—		
Shed Rentals.....	393,791 91	
Storage.....	465,816 14	
Miscellaneous.....	50,059 46	
	<hr/>	909,667 51
Shed Hoists.....		35,551 78
Railway System.....		962,197 04
Grain Elevator System—		
Elevation.....	1,691,585 71	
Storage.....	769,015 32	
Rentals.....	386,100 16	
Miscellaneous.....	81,236 56	
	<hr/>	2,927,937 75
Cold Storage System—		
Storage.....	580,441 76	
Miscellaneous.....	160,614 39	
	<hr/>	741,056 15
Miscellaneous—Outsiders.....		1,064,829 99
Bridge Tolls and Sundry Receipts.....		774,330 31
		<hr/>
		\$13,395,823 73
OPERATING EXPENSES—		
Administration.....		834,783 35
Operation and Maintenance—		
Harbour Dredging.....	100,418 22	
Harbour General.....	1,064,236 58	
Vehicular Bridges.....	4,538 23	
Roads, Fences and Boundaries.....	55,941 65	
Sewers and Drains.....	10,218 22	
Wharves and Piers.....	342,225 73	
Permanent Sheds.....	488,819 11	
Shed Hoists.....	32,709 44	
Railway System.....	953,471 83	
Grain Elevator System.....	1,602,436 91	
Cold Storage System.....	618,950 31	
Miscellaneous Outsiders.....	603,844 54	
Bridges.....	138,654 65	
	<hr/>	6,016,465 42
		<hr/>
		6,851,248 77
Operating Income.....		6,544,574 96
INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....		773,137 05
MISCELLANEOUS INCOME CREDITS.....		222,469 97
		<hr/>
		1,000,607 02
Total Income.....		7,545,181 98
MISCELLANEOUS DEDUCTIONS FROM INCOME—		
Income received from Reserve Funds transferred to Reserves.....	777,319 81	
Reserve for Bad Debts.....	721 46	
Miscellaneous Income Charges.....	45,539 82	
Trustees' Fees, Commissions, Bond Discount, etc.....	113,257 77	
	<hr/>	936,838 86
Income Available for Interest due Public.....		6,608,343 12
INTEREST ON DEBT TO THE PUBLIC.....		1,012,703 43
		<hr/>
		5,595,639 69
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....	1,768,406 00	
Reserve for Depreciation.....	166,156 20	
Interest due Dominion Government.....	7,049,727 04	
	<hr/>	8,984,289 24
		<hr/>
		3,388,649 55
Deduct:		
Special Contributions to Deficit (Bridge-Montreal).....		300,000 00
Net Income Deficit.....		<hr/>
		\$ 3,088,649 55

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,270,896 94	
Real Estate.....	12,760,834 19	
Vehicular Bridges.....	300,573 32	
Roads, Fences and Boundaries.....	1,760,538 47	
Sewers and Drains.....	663,600 13	
Miscellaneous Structures.....	746,844 06	
Wharves and Piers.....	89,480,347 54	
Permanent Sheds.....	19,710,727 33	
Shed Hoists and Electric Cranes.....	248,972 88	
Railway System.....	6,981,671 02	
Grain Elevator System.....	41,916,269 11	
Cold Storage System.....	5,728,435 99	
Office Furniture and Appliances.....	140,528 16	
Harbour Buildings.....	743,263 53	
Central Heating Plants.....	148,378 90	
Harbour Shops.....	332,357 54	
Electric Power System.....	1,060,731 93	
Water Supply System.....	744,314 44	
Floating Equipment.....	2,013,265 34	
Shore Equipment.....	785,109 84	
Miscellaneous Small Plant.....	565,099 49	
Engineering—General Surveys.....	606,402 98	
Works under Construction.....	338,657 11	
Sundry Expenditure—Undistributed.....	5,395,832 05	
Bridge Construction and Right-of-Way, etc.....	19,318,490 13	
		<u>\$224,762,142 42</u>

CURRENT—

Cash.....	1,814,829 16
Accounts Receivable.....	2,053,262 93
Advances due on Capital Account.....	35,770 85
Stores on Hand.....	493,792 56
Accrued Revenue.....	293,011 02
Other Assets.....	21,463 74

4,712,130 26

INVESTMENTS.....	44,718 40
SECURITY DEPOSITS.....	140,981 70
REPLACEMENT FUND.....	18,728,775 46
FIRE AND GENERAL INSURANCE FUND.....	1,043,217 07
GENERAL WORKMEN'S COMPENSATION FUND.....	329,399 62
PENSION FUND.....	900,793 84
MISCELLANEOUS FUNDS.....	133,121 58
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	210,834 18
PREPAID CHARGES.....	21,416 80
DEFERRED DEBITS.....	31,819 62

\$251,059,350 95

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1945

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....		\$20,258,182 35
SUSPENSE ACCOUNT—Re sale of Property.....		5,000 00
DOMINION GOVERNMENT ACCOUNT—		
Loans and Advances (Interest Bearing).....	\$ 156,551,484 67	
Expenditure under Appropriations.....	51,071,075 05	
Government Loans Applied for—Contra.....	35,770 85	
		<u>\$207,658,330 57</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....		30,305 84
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		7,959 00
CURRENT—		
Working Capital Advance.....	30,000 00	
Accounts Payable.....	366,945 78	
Salaries and Wages Payable.....	82,599 48	
Matured Interest Unpaid—		
Due Public.....	40,058 26	
Due Dominion Government.....	65,141,798 85	
Contractors' Holdbacks—Maintenance.....	4,876 02	
Accrued Interest due Public.....	178,547 83	
Unclaimed Wages.....	1,625 77	
Matured Debentures due Public.....	16,500 00	
Other Current Liabilities.....	4,648 97	
		<u>65,867,600 96</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		140,981 70
RESERVES—		
Replacement.....	20,348,570 03	
Fire and General Insurance.....	1,043,198 01	
General Workmen's Compensation.....	329,399 62	
Pensions.....	900,793 84	
Miscellaneous.....	2,408,039 44	
		<u>25,030,000 94</u>
DEFERRED CREDITS.....		205,590 49
		<u>319,203,951 85</u>
SURPLUS AND DEFICIT ACCOUNT—		
Deficit as at December 31, 1944.....	64,774,709 55	
Adjustments in 1945.....	281,241 80	
Net Income Deficit for 1945.....	3,088,649 55	
		<u>68,144,600 90</u>
		<u>\$251,059,350 95</u>

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific Railways. Here, the National Harbours Board operates seven main piers and wharves having about 16,000 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,100,000 square feet. In addition, the Board operates a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,050,000 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	3,160	7,084,222
1944.....	3,700	8,664,488
1943.....	4,430	10,668,407
1942.....	5,644	14,909,468
1941.....	5,777	15,821,069
<i>Departures—</i>		
1945.....	3,219	7,306,431
1944.....	3,630	8,434,027
1943.....	4,444	10,719,497
1942.....	5,656	15,029,198
1941.....	5,789	15,882,132

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparison for 1944.

	1945		1944	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	2,057	6,950,043	2,725	8,566,853
Coastal or inland commercial (including fishery).....	1,078	110,955	958	79,810
Other.....	25	23,224	17	17,825
Total.....	3,160	7,084,222	3,700	8,664,488
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	2,122	7,179,911	2,660	8,337,092
Coastal or inland commercial (including fishery).....	1,072	103,296	954	79,236
Other.....	25	23,224	16	17,699
Total.....	3,219	7,306,431	3,630	8,434,027

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	2,476,645	2,683,160	5,159,805
1944.....	2,280,462	3,472,020	5,752,482
1943.....	2,377,871	3,364,989	5,742,860
1942.....	1,997,414	3,012,149	5,009,563
1941.....	2,373,600	2,329,753	4,703,353
<i>Domestic—</i>			
1945.....	324,232	299,007	623,239
1944.....	307,291	198,517	505,808
1943.....	280,258	127,917	408,175
1942.....	285,344	90,915	376,259
1941.....	372,818	239,961	612,779
<i>Total—</i>			
1945.....	2,800,877	2,982,167	5,783,044
1944.....	2,587,753	3,670,537	6,258,290
1943.....	2,658,129	3,492,906	6,151,035
1942.....	2,282,758	3,103,064	5,385,822
1941.....	2,746,418	2,569,714	5,316,132

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparison for 1944.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Petroleum Oil, fuel.....	767,369	909,752	1,677,121	2,226,851
Petroleum Oil, crude.....	1,149,962	3,034	1,152,996	748,660
Coal, bituminous.....	488,807	80	488,887	473,568
Grain.....	7,218	447,107	454,325	778,270
Flour, wheat.....	169	274,078	274,247	164,083
Gasoline.....	25,426	141,589	167,015	116,122
Meats, canned, cured, prepared or preserved.....	62	165,605	165,667	213,153
Sugar, raw.....	139,109	.....	139,109	77,981
Motor Vehicles and Parts.....	33,736	100,073	133,809	181,710
Woodpulp.....	.....	124,289	124,289	98,343
Lumber (Planks, Boards and Flooring) and Square Timber.....	97	96,408	96,505	103,613
Ammunition and Fireworks.....	2,455	76,934	79,389	82,079
Fish (including Shell fish) dried, pickled, salted or smoked.....	23,964	38,342	62,306	52,574
Logs, Masts, Piling, Pit-props, Poles, Posts, Spars and Ties (railway).....	3	40,981	40,984	32,842
Meats, chilled, fresh or frozen.....	26	40,886	40,912	25,112
Fish (including Shell-fish) fresh or frozen.....	32,463	6,849	39,312	35,576
Grain Products (Mill products except Wheat Flour)...	9	31,888	31,897	16,677
Cement, common or portland.....	21,965	7,797	29,762	7,126
Bauxite Ore.....	11,592	11,591	23,183	.....
Aircraft and Parts.....	4,926	18,032	22,958	26,213
Cheese.....	11	20,548	20,559	20,907
Ferro-alloys.....	.....	19,027	19,027	11,111
Pulpboard (except Wallboard).....	1	18,880	18,881	17,313
Explosives, including Fuses and Blasting Caps.....	134	15,036	15,170	20,368
Agricultural Implements, Machinery and Parts (ex- cept Motor Vehicles).....	5	12,788	12,793	9,416
Salt.....	9,597	2,954	12,551	21,364

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Copper, refined in bars, billets, cakes, cathodes, ingots or slabs.....		12,415	12,415	20,747
Eggs, in shell.....		12,302	12,302	699
Potatoes.....	12	12,167	12,179	7,689
Molasses.....	12,030	13	12,043	17,110
Asbestos and Asbestos Manufactures.....	32	11,338	11,370	8,183
Paper, newsprint.....	316	11,000	11,316	11,168
Barytes.....		10,958	10,958	2,469
Beverages, alcoholic.....	4,188	6,501	10,689	12,001
Box, Crate and Cooperage Material, wooden.....	40	10,571	10,611	16,701
All Goods not otherwise specified.....	65,153	270,354	335,507	600,491
Total 1945.....	2,800,877	2,982,167	5,783,044	6,258,290

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1945, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1945.....	20,782	8,571	29,353
1944.....	9,767	3,058	12,825
1943.....	11,354	3,227	14,581
1942.....	9,702	4,169	13,871
1941.....	6,847	7,318	14,165
<i>Coastwise—</i>			
1945.....			
1944.....			
1943.....			
1942.....			
1941.....			
<i>Total—</i>			
1945.....	20,782	8,571	29,353
1944.....	9,767	3,058	12,825
1943.....	11,354	3,227	14,581
1942.....	9,702	4,169	13,871
1941.....	6,847	7,318	14,165

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1945.....	110,484	14,981,004	15,091,488
1944.....	218,514	25,463,731	25,682,245
1943.....	619,890	22,791,133	23,411,023
1942.....	1,783,534	34,129,023	35,912,557
1941.....	1,547,639	32,195,856	33,743,495
<i>Via rail—</i>			
1945.....	14,667,698	1,000	14,668,698
1944.....	25,342,704	66,396	25,409,100
1943.....	21,568,338	2,000	21,570,338
1942.....	33,012,638	3,571	33,016,209
1941.....	31,442,451	384,302	31,826,753

GRAIN ELEVATOR—*Concluded*

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via other—</i>			
1945.....		69,634	69,634
1944.....		96,964	96,964
1943.....		451,228	451,228
1942.....		199,267	199,267
1941.....		268,422	268,422
<i>Total—</i>			
1945.....	14,778,182	15,051,638	29,829,820
1944.....	25,561,218	25,627,091	51,188,209
1943.....	22,188,228	23,244,361	45,432,589
1942.....	34,796,172	34,331,861	69,128,033
1941.....	32,990,090	32,848,580	65,838,670

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$145,747. The main items were repairs to water supply system, repairs to wooden doors of sheds 20 to 23, repairs to floors of sheds 21–22–23 and 27, repairs to siding of pier B sheds, repairs to grain gallery 24 and painting of galleries 100 and 24, resurfacing of concrete floor, new ice making equipment, two Peelle elevator doors and retubing of two condensers in the cold storage plant, and regular maintenance of harbour facilities.

Two fire boats and shore based fire protection equipment were maintained in good operating condition, chargeable to fund provided under War Appropriation Act. One fire boat was removed from service during the summer.

CAPITAL WORKS

Expenditure on capital account during the year amounted to \$181,344. Of this amount \$766 was for ordinary harbour installation financed from interest bearing advances to the Board and \$180,578 was for new construction authorized under and chargeable to War Appropriation.

WAR APPROPRIATION WORKS

Reconstruction of Shed 21.—The upper storey of this shed was destroyed by fire in March, 1944. Contracts were immediately entered into to cover the demolition and removal of the remaining debris and also the erection of the new structural steel work and the reconstruction of the exterior. The erection of the steelwork and reconstruction of the exterior were completed during 1945 and a contract awarded for the completion of the interior work on July 9, 1945. As at December-31, 1945 the contractor had completed approximately 50% of the interior work.

Platform and Shelter Roof.—This work covered the construction of a platform and shelter roof adjacent to the west side of the annex at the immigration area of the Ocean Terminals in accordance with a contract awarded June 14, 1945. It consists of 1,020 linear feet of wooden platform extending from a point 200 feet south of the immigration annex to a point 400 feet north of it. That section along the west side of the annex building is protected by a shelter roof for its entire length of 420 feet.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,653,732, as compared with \$1,801,217 in 1944, the decrease being \$147,485. Operating and maintenance expenses showed a decrease of \$82,169, the comparable figures being \$1,033,935 for 1945 and \$1,116,104 for 1944.

After charging interest due the Dominion Government and reserve for replacements, the year's operations resulted in a net income deficit of \$21,681. In 1944, a net income surplus of \$86,756 was reported.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 53,374 63	
Miscellaneous.....	5,253 73	
	<u> </u>	\$ 58,628 36

Wharves and Piers

Top Wharfrage.....	598,825 61	
Dockage.....	310,667 73	
Miscellaneous.....	38,130 39	
	<u> </u>	947,623 73

Permanent Sheds

Shed Rentals.....	51,800 75	
Storage.....	34,949 78	
Miscellaneous.....	32,482 96	
	<u> </u>	119,233 49

Grain Elevator System

Elevation.....	74,441 51	
Storage.....	16,381 36	
Miscellaneous.....	8,251 04	
	<u> </u>	99,073 91

Cold Storage System

Storage.....	224,593 05	
Miscellaneous.....	84,791 77	
	<u> </u>	309,384 82

Miscellaneous—Outsiders.....

119,787 35
\$ 1,653,731 66

OPERATING EXPENSES

Administration.....

Operation and Maintenance

Harbour General.....	222,966 70	
Roads, Fences and Boundaries.....	5,679 20	
Sewers and Drains.....	1,587 22	
Wharves and Piers.....	49,234 15	
Permanent Sheds.....	190,738 33	
Grain Elevator System.....	162,123 57	
Cold Storage System.....	239,146 36	
Miscellaneous—Outsiders.....	75,362 32	
	<u> </u>	946,837 85
		1,033,935 17

Operating Income..... 619,796 49

INCOME RECEIVED FROM RESERVE FUNDS..... 87,227 64

MISCELLANEOUS INCOME CREDITS..... 138,403 31
225,630 95

Total Income..... 845,427 44

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	87,227 64	
Miscellaneous Income Charges.....	253 72	
	<u> </u>	87,481 36

757,946 08

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	579,627 51	
	<u> </u>	779,627 51

Net Income Deficit..... \$ 21,681 43

Harbour of Halifax

BALANCE SHEET AS AS DECEMBER 31, 1945

ASSETS

FIXED—	
Harbour Dredging.....	\$ 160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	238,737 01
Sewers and Drains.....	60,611 27
Miscellaneous Structures.....	28,387 08
Wharves and Piers.....	16,922,477 63
Permanent Sheds.....	4,627,395 96
Grain Elevator System.....	2,541,031 10
Cold Storage System.....	1,927,925 77
Office Furniture and Appliances.....	30,075 55
Central Heating Plants.....	65,316 59
Electric Power System.....	8,409 40
Water Supply System.....	99,339 32
Floating Equipment.....	58,028 83
Shore Equipment.....	49,474 44
Miscellaneous Small Plant.....	67,988 24
Engineering—General Surveys.....	475,501 67
Works under Construction.....	276,863 05
	<u>\$28,171,079 78</u>

CURRENT—

Cash—Receiver General of Canada.....	\$ 209,302 65
Cash—On Hand.....	919 89
Accounts Receivable.....	<u>\$ 423,915 33</u>
Less—Reserve for Bad Debts.....	73 79
Advances due on Capital Account.....	
Stores on Hand.....	
Accrued Revenue.....	
	<u>639,459 34</u>

SECURITY DEPOSITS.

REPLACEMENT FUND.....	33,600 00
FIRE AND GENERAL INSURANCE FUND.....	2,175,362 65
MISCELLANEOUS FUNDS.....	97,467 91
PREPAID CHARGES.....	16,697 50
DEFERRED DEBITS.....	417 19
	<u>6,476 12</u>
	<u>\$31,190,560 49</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loan and Advances (Interest bearing).....	\$12,502,248 04
Expenditure under Appropriation.....	16,073,447 45
Government Loans Applied for—Contra.....	<u>2,181 73</u>
	<u>\$28,577,877 22</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	<u>29,608 95</u>
CONTRACTORS HOLDBACK—CONSTRUCTION.....	<u>7,959 00</u>
CURRENT—	
Accounts Payable.....	60,105 63
Salaries and Wages Payable.....	14,177 12
Matured Interest Unpaid—	
Due Public.....	\$ 2,197 50
Due Dominion Government.....	<u>3,620,766 13</u>
Unclaimed Wages.....	3,622,963 63
Matured Debentures due Public.....	<u>14,500 00</u>
	<u>3,712,652 72</u>
CONTRACTORS' SECURITY DEPOSITS.....	<u>33,600 00</u>
RESERVES—	
Replacement.....	2,175,914 98
Fire and General Insurance.....	<u>97,467 91</u>
	<u>2,273,382 89</u>
DEFERRED CREDITS.....	<u>2,330 34</u>
	<u>34,637,411 12</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1944.....	3,425,169 20
Net Income Deficit for 1945.....	<u>21,681 43</u>
	<u>3,446,850 63</u>
	<u>\$31,190,560 49</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 20 deep water wharves having some 12,700 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water, and 18 transit sheds, including two frost-proof sheds, with an aggregate floor space of about 812,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to nine of the berths by over two miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. Two locomotive cranes and 15-ton and 65-ton floating cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	1,496	2,320,772
1944.....	1,478	2,185,088
1943.....	1,702	2,311,881
1942.....	1,716	2,048,907
1941.....	2,048	2,436,275
<i>Departures—</i>		
1945.....	1,501	2,327,090
1944.....	1,467	2,162,055
1943.....	1,688	2,276,805
1942.....	1,725	2,090,167
1941.....	2,041	2,431,834

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for 1944.

	1945		1944	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	622	1,657,073	578	1,500,695
Coastal or inland commercial (including fishery).....	842	656,319	862	674,562
Other.....	32	7,380	38	9,831
Total.....	1,496	2,320,772	1,478	2,185,088
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	634	1,666,407	579	1,482,113
Coastal or inland commercial (including fishery).....	833	653,138	851	669,802
Other.....	34	7,545	37	10,140
Total.....	1,501	2,327,090	1,467	2,162,055

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	606,586	2,721,266	3,327,852
1944.....	510,576	2,658,481	3,169,057
1943.....	517,091	3,227,429	3,744,520
1942.....	368,340	2,666,106	3,034,446
1941.....	418,225	2,408,599	2,826,824
<i>Domestic—</i>			
1945.....	442,756	79,743	522,499
1944.....	396,455	79,867	476,322
1943.....	382,062	85,025	467,087
1942.....	359,406	121,198	480,604
1941.....	435,437	119,894	555,331
<i>Total—</i>			
1945.....	1,049,342	2,801,009	3,850,351
1944.....	907,031	2,738,348	3,645,379
1943.....	899,153	3,312,454	4,211,607
1942.....	727,746	2,787,304	3,515,050
1941.....	853,662	2,528,493	3,382,155

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparison for 1944.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....		861,466	861,466	780,237
Flour, wheat.....	1,124	338,189	339,313	244,711
Coal, bituminous.....	338,288	470	338,758	295,197
Motor Vehicles and Parts.....	22,309	236,123	258,432	329,180
Sugar, raw.....	152,568		152,568	150,501
Lumber (Planks, Boards and Flooring) and Square Timber.....	6,936	143,523	150,459	182,260
Paper, newsprint.....		104,192	104,192	93,466
Petroleum Oil, fuel.....	95,788	1,303	97,091	52,039
Railway Equipment not otherwise specified.....		76,821	76,821	9,182
Iron or Steel Manufactures not otherwise specified.....	5,598	66,417	72,015	5,005
Gasoline.....	47,297	9,071	56,368	33,356
Tea.....	50,925	248	51,173	34,838
Meats, canned, cured, prepared or preserved.....	49	45,698	45,747	76,534
Grain Products (Mill Products) except Wheat Flour.....		44,613	44,613	6,421
Wood-pulp.....		41,111	41,111	56,860
Jute and Jute Manufactures.....	39,278	781	40,059	18,236
Ammunition and Fireworks.....	1,748	37,684	39,432	102,060
Potatoes.....	1,064	38,148	39,212	15,616
Locomotives and Parts.....		38,722	38,722	
Fertilizers and Fertilizer Materials.....	21,993	14,276	36,269	49,557
Vegetables, dried.....	37	35,499	35,536	53,197
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (Railway).....	2,251	29,884	32,135	45,367
Eggs, in shell.....		30,172	30,172	69

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Boats (including Canoes) and Parts.....		28,355	28,355	34,151
Meats, chilled, fresh or frozen.....	1,172	26,382	27,554	18,095
Paper, not otherwise specified.....	597	25,672	26,269	16,973
Food-stuffs, canned or preserved, not otherwise specified.....	5,570	19,610	25,180	16,125
Fish (including Shell-fish) dried, pickled, salted or smoked.....	9,866	14,414	24,280	15,721
Milk, condensed, evaporated or powdered.....		23,660	23,660	11,463
Coal, anthracite.....	20,285	253	20,538	98,009
Beverages, alcoholic.....	7,735	10,711	18,446	17,618
Molasses.....	18,035	3	18,038	21,413
Cocoa Beans, Cocoa Preparations and Chocolate (except Confectionery).....	17,480	75	17,555	1,270
Fish (including Shell-fish), canned or preserved.....	3,239	13,797	17,036	18,786
Ores and Concentrates, not otherwise specified.....	14,696	465	15,161	5,592
Cheese.....	386	14,582	14,968	22,201
Box, Crate and Cooperage Materials, wooden.....	189	14,721	14,910	14,216
Trailers and Parts.....	496	14,407	14,903	9,310
Rubber Manufactures.....	64	14,463	14,527	3,955
Pulpboard (except Wallboard).....		14,477	14,477	10,386
Cotton Manufactures not otherwise specified.....	5,817	8,428	14,245	7,571
Machinery and Parts (except agricultural).....	5,226	9,016	14,242	23,868
Asbestos and Asbestos Manufactures.....	854	13,021	13,875	8,681
Iron or Steel Rails and Fastenings.....		13,659	13,659	24,520
Ferro-alloys.....		12,895	12,895	13,989
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....	20	12,163	12,183	13,079
Salt.....	7,212	4,832	12,044	9,076
Fruits, dried.....	11,705		11,705	5,795
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	45	10,468	10,513	18,202
Tobacco and Tobacco Manufactures.....	107	10,088	10,195	10,029
Apples.....	3,748	6,223	9,971	7,385
Electrical Supplies.....	412	9,102	9,514	3,562
Eggs, dried, evaporated, desiccated or powdered.....		8,964	8,964	7,625
Nickel and Nickel Manufactures.....	31	8,332	8,363	10,639
Vegetables and Vegetable Products (including Juices) not otherwise specified.....	242	7,814	8,056	1,987
Iron or Steel Tubes, Pipe and Fittings.....	17	7,470	7,487	1,864
Petroleum Oil, crude.....	7,261		7,261	
Firearms, Ordnance Guns and Parts.....	2,288	4,765	7,053	13,582
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....		6,970	6,970	32,314
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	503	6,158	6,661	19,514
Glass and Glass Manufactures.....	5,422	1,209	6,631	8,692
Wireless Sets and Parts.....	212	6,044	6,256	9,333
Fruits and Fruit Products (including Juices) not otherwise specified.....	4,833	1,289	6,122	4,333
Tin and Tin Manufactures.....	2,528	3,441	5,969	1,425
Nuts.....	5,565	328	5,893	8,515
Calcium Carbide.....	8	5,823	5,831	11,231
Zinc Spelter.....		5,820	5,820	4,633
Wood, unmanufactured, not otherwise specified.....		5,812	5,812	5,149
Clothing.....	110	5,547	5,657	3,984
Aluminum Manufactures not otherwise specified.....	1,767	3,758	5,525	8,450
Aircraft and Parts.....	1,831	3,548	5,379	10,623
Copper and Copper Manufactures not otherwise specified.....	905	4,379	5,284	13,498
All Goods not otherwise specified.....	93,610	162,185	256,795	353,058
TOTAL.....	1,049,342	2,801,009	3,850,351	3,645,379

(Exclusive of ballast (non-revenue), bunkers, ship's stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1945, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1945.....	298	301	599
1944.....	379	181	560
1943.....	61	374	435
1942.....	1,033	378	1,411
1941.....	1,642	196	1,838
<i>Coastwise—</i>			
1945.....	93,111	83,431	176,542
1944.....	73,640	82,814	156,454
1943.....	68,510	84,677	153,187
1942.....	40,892	45,125	86,017
1941.....	35,377	31,590	66,967
<i>Total—</i>			
1945.....	93,409	83,732	177,141
1944.....	74,019	82,995	157,014
1943.....	68,571	85,051	153,622
1942.....	41,925	45,503	87,428
1941.....	37,019	31,786	68,805

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via Water—</i>			
1945.....		29,378,627	29,378,627
1944.....		25,593,427	25,593,427
1943.....		36,817,001	36,817,001
1942.....		32,838,999	32,838,999
1941.....		39,281,755	39,281,755
<i>Via Rail—</i>			
1945.....	29,608,084	251,808	29,859,892
1944.....	27,009,543	669,057	27,678,600
1943.....	35,900,274	301,758	36,202,032
1942.....	34,011,161	615,160	34,626,321
1941.....	39,077,225	57,218	39,134,443
<i>Via other—</i>			
1945.....		233	233
1944.....			
1943.....			
1942.....			
1941.....			
<i>Total—</i>			
1945.....	29,608,084	29,630,668	59,238,752
1944.....	27,009,543	26,262,484	53,272,027
1943.....	35,900,274	37,118,759	73,019,033
1942.....	34,011,161	33,454,159	67,465,320
1941.....	39,077,225	39,338,973	78,416,198

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$162,707. The main items were dredging four berths to a minimum depth of 30 feet at extreme low tide, completing the dredging of nine other berths started in 1944, repairs to concrete wharf substructure at berths 8, 9 and 10, refacing concrete wharf walls at berth 12, redecking southern side of Reed's Point wharf, resurfacing the roofing of the grain elevator main cupola, receiving house and shipping house, and painting a portion of the grain galleries.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,458,507, as compared with \$1,423,537 in 1944, the increase being \$34,970. Operating and maintenance expenses showed a reduction of \$17,784, the comparable figures being \$494,698 for 1945 and \$512,482 for 1944.

After taking into account income debits and credits, paying interest amounting to \$62,703 on debt to the public, and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$105,109, as against a deficit of \$161,553 in 1944.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES—

Harbour General			
Harbour Dues.....	\$	16,733 03	
Miscellaneous.....		21,143 67	
		<u>37,876 70</u>	
Wharves and Piers			
Top Wharfage.....		745,597 96	
Dockage.....		315,410 12	
Miscellaneous.....		405 00	
		<u>1,061,413 08</u>	
Permanent Sheds			
Shed Rentals.....		24,353 71	
Storage.....		7,114 07	
Miscellaneous.....		16 90	
		<u>31,484 68</u>	
Railway System.....			1,795 00
Grain Elevator System			
Receipts from joint operation.....			55,271 20
Miscellaneous—Outsiders.....			270,666 12
			<u>\$ 1,458,506 78</u>

OPERATING EXPENSES—

Administration.....		68,566 26	
Operation and Maintenance			
Harbour Dredging.....		76,985 56	
Harbour General.....		77,255 65	
Vehicular Bridges.....		800 78	
Roads, Fences and Boundaries.....		2,317 08	
Sewers and Drains.....		1,699 51	
Wharves and Piers.....		51,776 67	
Permanent Sheds.....		96,404 51	
Grain Elevator System.....		8,006 67	
Miscellaneous—Outsiders.....		110,884 89	
		<u>426,131 32</u>	
			<u>494,697 58</u>
Operating Income.....			963,809 20

INCOME STATEMENT FOR THE CALENDAR YEAR 1945—*Concluded*

INCOME RECEIVED FROM RESERVE FUNDS.....	77,124 39	
MISCELLANEOUS INCOME CREDITS.....	141 38	
		77,265 77
Total Income.....		1,041,074 97

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	77,124 39	
Miscellaneous Income Charges.....	1,010 43	
		78,134 82
Income Available for Interest due Public.....		962,940 15

INTEREST ON DEBT TO THE PUBLIC.....	62,703 43	
		900,236 72

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	805,346 15	
		1,005,346 15
Net Income <i>Deficit</i>	\$	<u><u>105,109 43</u></u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 120 miles below Quebec. The facilities operated by the Board include: 2,600 linear feet of wharf allowing ships of 26 feet draft, a concrete fireproof shed, 400 feet by 60 feet, a frame shed, 150 feet by 40 feet, and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	97	66,271
1944.....	153	83,445
1943.....	194	111,325
1942.....	180	101,854
1941.....	241	127,146
<i>Departures—</i>		
1945.....	96	66,195
1944.....	152	83,433
1943.....	194	111,325
1942.....	180	101,854
1941.....	241	127,146

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparison for 1944.

	1945		1944	
	Number of Vessels	Net Registered Tonnage	Number of Vessel	Net Registered Tonnage
<i>Arrivals—</i>				
Deep-sea or ocean-going commercial.....	1	1,698	7	10,074
Coastal or inland commercial (including fishery).....	91	63,986	140	72,593
Other.....	5	587	6	778
Total.....	97	66,271	153	83,445
<i>Departures—</i>				
Deep-sea or ocean-going commercial.....	1	1,698	6	8,421
Coastal or inland commercial (including fishery).....	91	63,986	141	74,246
Other.....	4	511	5	766
Total.....	96	66,195	152	83,433

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	38,107		38,107
1944.....	54,605		54,605
1943.....	135,369		135,369
1942.....	27,574		27,574
1941.....	75,105		75,105
<i>Domestic—</i>			
1945.....	14,005	1,993	15,998
1944.....	44,983	1,145	46,128
1943.....	41,582	503	42,085
1942.....	131,643	697	132,340
1941.....	122,732	1,658	124,390
<i>Total—</i>			
1945.....	52,112	1,993	54,105
1944.....	99,588	1,145	100,733
1943.....	176,951	503	177,454
1942.....	159,217	697	159,914
1941.....	197,837	1,658	199,495

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparison for 1944.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	27,365		27,365	69,789
Coal, anthracite.....	10,742		10,742	11,837
Gasoline.....	8,534		8,534	9,691
Lumber (Planks, Boards and Flooring), and Square Timber.....	441	1,765	2,206	2,431
Cement, common or portland.....	1,269		1,269	394
Wood Laths, Pickets, Plywoods, Shingles and Veneers	333		333	441
Paper, not otherwise specified.....	298		298	636
Sugar, refined.....	215		215	309
All Goods not otherwise specified.....	2,915	228	3,143	5,205
Total.....	52,112	1,993	54,105	100,733

(Exclusive of ballast (non-revenue) bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1945, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1945.....			
1944.....			
1943.....			
1942.....			
1941.....			
<i>Coastwise—</i>			
1945.....	5,098	5,102	10,200
1944.....	4,377	3,951	8,328
1943.....	4,049	4,048	8,097
1942.....	3,009	3,001	6,010
1941.....	3,824	3,832	7,656
<i>Total—</i>			
1945.....	5,098	5,102	10,200
1944.....	4,377	3,951	8,328
1943.....	4,049	4,048	8,097
1942.....	3,009	3,001	6,010
1941.....	3,824	3,832	7,656

(Exclusive of armed forces and prisoners of war)

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$7,920.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$30,723, as compared with \$31,924 in 1944. Expenses of operation and maintenance were \$20,719, the corresponding figure in 1944 being \$18,402.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$207,785, as compared with a deficit of \$204,777 in 1944.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES—

Harbour General			
Harbour Dues.....	\$	267 57	
Miscellaneous.....		320 00	
		<u>587 57</u>	
Wharves and Piers			
Top Wharfage.....		8,245 32	
Dockage.....		926 86	
Miscellaneous.....		15,695 75	
		<u>24,867 93</u>	
Permanent Sheds			
Shed Rentals.....		950 00	
Storage.....		3,974 02	
		<u>4,924 02</u>	
Miscellaneous—Outsiders.....		343 87	
		<u>\$ 30,722 89</u>	

OPERATING EXPENSES—

Administration.....		7,066 69	
Operation and Maintenance—			
Harbour General.....		2,794 72	
Roads, Fences and Boundaries.....		444 50	
Wharves and Piers.....		6,404 43	
Permanent Sheds.....		1,443 33	
Railway System.....		2,259 46	
Miscellaneous—Outsiders.....		305 78	
		<u>13,652 22</u>	
			20,718 91
Operating Income.....			10,003 98
INCOME RECEIVED FROM RESERVE FUNDS.....		3,511 89	
MISCELLANEOUS INCOME CREDITS.....		181 93	
		<u>3,693 82</u>	
Total Income.....			13,697 80

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....		3,511 89	
Miscellaneous Income Charges.....		559 77	
		<u>4,071 66</u>	
			9,626 14

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....		30,000 00	
Interest due Dominion Government.....		187,411 10	
		<u>217,411 10</u>	
Net Income Deficit.....	\$	<u>207,784 96</u>	

Harbour of Chicoutimi BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 467,172 01	Loans and Advances (Interest bearing).....	\$ 3,838,060 26
Real Estate.....	35,625 67	Expenditure under Appropriations.....	485,398 32
Roads, Fences and Boundaries.....	115,905 96		<u>\$ 4,323,458 53</u>
Sewers and Drains.....	165,653 09		
Wharves and Piers.....	3,288,329 54		
Permanent Sheds.....	124,083 29		
Railway System.....	38,599 51	CURRENT—	
Office Furniture and Appliances.....	3,085 92	Accounts Payable.....	1,101 97
Electric Power System.....	3,915 37	Matured Interest due Dominion Government..	2,539,095 02
Water Supply System.....	16,419 69	Unclaimed Wages.....	22 30
Floating Equipment.....	28,769 06		<u>2,540,219 29</u>
Shore Equipment.....	341 40		
Miscellaneous Small Plant.....	742 31		
Engineering—General Surveys.....	18,375 66	RESERVES—	
	<u>\$ 4,307,018 48</u>	Replacement.....	309,503 16
		Fire and General Insurance.....	8,589 45
			<u>318,092 61</u>
CURRENT—			
Cash—Receiver General of Canada \$	8,450 38		
Cash—On Hand.....	41 60	DEFERRED CREDITS.....	<u>2,403 73</u>
Accounts Receivable.....	8,491 98		<u>7,184,174 21</u>
Stores on Hand.....	935 97		
	<u>2,916 93</u>		
REPLACEMENT FUND.....			
	12,345 88		
	94,503 16	SURPLUS AND DEFICIT ACCOUNT—	
		Deficit as at December 31, 1944.....	2,553,320 68
FIRE AND GENERAL INSURANCE FUND.....		Net Income Deficit for 1945.....	207,784 96
	8,589 45		<u>2,761,105 64</u>
PREFPAID CHARGES.....			
	611 60		
	<u>\$ 4,423,068 57</u>		<u>\$ 4,423,068 57</u>

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 32 miles of standard gauge terminal railway, connected with both Canadian railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 75 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	3,840	2,816,194
1944.....	3,560	2,172,620
1943.....	3,506	1,764,944
1942.....	3,896	1,883,084
1941.....	3,973	2,227,959
<i>Departures—</i>		
1945.....	3,841	2,823,429
1944.....	3,561	2,171,501
1943.....	3,530	1,816,848
1942.....	3,910	1,927,366
1941.....	3,979	2,230,306

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparison for 1944.

	1945		1944	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deep-sea or ocean-going commercial.....	232	921,856	193	351,932
Coastal or inland commercial (including fishery).....	3,529	1,882,702	3,367	1,820,688
Other.....	79	11,636	.....	.....
Total.....	3,840	2,816,194	3,560	2,172,620
<i>Departures—</i>				
Deep-sea or ocean-going commercial.....	232	921,856	234	507,606
Coastal or inland commercial (including fishery).....	3,538	1,891,473	3,327	1,663,895
Other.....	71	10,100	.....	.....
Total.....	3,841	2,823,429	3,561	2,171,501

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	106,274	544,280	650,554
1944.....	95,926	237,433	333,359
1943.....	18,745	162,243	180,988
1942.....	33,112	142,308	175,420
1941.....	82,230	330,263	412,493
<i>Domestic—</i>			
1945.....	1,078,574	170,331	1,248,905
1944.....	943,919	147,648	1,091,567
1943.....	759,921	300,560	1,060,481
1942.....	785,237	192,605	977,842
1941.....	912,647	230,685	1,143,332
<i>Total—</i>			
1945.....	1,184,848	714,611	1,899,459
1944.....	1,039,845	385,081	1,424,926
1943.....	778,666	462,803	1,241,469
1942.....	818,349	334,913	1,153,262
1941.....	994,877	560,948	1,555,825

(Exclusive of ballast (non-revenue) bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparison for 1944.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Pulpwood.....	365,667	126,316	491,983	296,523
Grain.....	14,008	409,028	423,036	110,214
Coal, bituminous.....	356,194	2,646	358,840	439,223
Petroleum Oil, fuel.....	143,310	772	144,082	93,588
Gasoline.....	82,516	2,413	84,929	96,571
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	1,274	64,831	66,105	11,806
Lumber (Planks, Boards and Flooring) and Square Timber.....	12,558	46,671	59,229	91,845
Cement, common or portland.....	44,199	1,815	46,014	41,270
Flour, wheat.....	4,334	9,478	13,812	11,357
Coal, anthracite.....	10,572		10,572	15,412
Wood-pulp.....	783	8,272	9,055	54,311
Food-stuffs, canned or preserved, not otherwise specified.....	3,346	2,807	6,153	7,238
Iron and Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	2,878	2,162	5,040	3,829
Sulphur.....	4,523		4,523	
Paper, newsprint.....		4,129	4,129	1,709
Asbestos and Asbestos Manufactures.....	1	3,067	3,068	
Beverages, alcoholic.....	1,357	1,038	2,395	1,839
Molasses.....	2,205	70	2,275	
Fertilizers and Fertilizer Materials.....	810	789	1,599	1,501
All goods not otherwise specified.....	134,313	28,307	162,620	146,690
Total.....	1,184,848	714,611	1,899,459	1,424,926

(Exclusive of ballast (non-revenue) bunkers, ship's stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1945, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1945.....	135	1,586	1,721
1944.....			
1943.....			
1942.....			
1941.....			
<i>Coastwise—</i>			
1945.....	49,776	47,263	97,039
1944.....	39,823	35,745	75,568
1943.....	22,931	25,181	48,112
1942.....	18,215	21,358	39,573
1941.....	18,123	19,363	37,486
<i>Total—</i>			
1945.....	49,911	48,849	98,760
1944.....	39,823	35,745	75,568
1943.....	22,931	25,181	48,112
1942.....	18,215	21,358	39,573
1941.....	18,123	19,363	37,486

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1945.....	526,209	13,611,445	14,137,654
1944.....	671,802	2,996,584	3,668,386
1943.....		1,642,807	1,642,807
1942.....	117,012	2,970,486	3,087,498
1941.....	1,840,331	7,983,197	9,823,528
<i>Via rail—</i>			
1945.....	13,358,498	1,408,406	14,766,904
1944.....	5,818,547	536,586	6,355,133
1943.....	1,813,995	1,234,336	3,048,331
1942.....	2,908,975	479,640	3,388,615
1941.....	7,889,192	125,083	8,014,275
<i>Via other—</i>			
1945.....	27,570	587,319	614,889
1944.....	14,891	820,172	835,063
1943.....	19,166	853,889	873,055
1942.....	11,927	439,579	451,506
1941.....	2,027	515,795	517,822
<i>Total—</i>			
1945.....	13,912,277	15,607,170	* 29,519,447
1944.....	6,505,240	4,353,342	10,858,582
1943.....	1,833,161	3,731,032	5,564,193
1942.....	3,037,914	3,889,705	6,927,619
1941.....	9,731,550	8,624,075	18,355,625

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1945, with comparison for 1944.

	1945	1944
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	15,150	10,824
Non-revenue cars.....	5,831	4,040
Total.....	20,981	14,864
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	6,893	5,626
Non-revenue cars.....	13,594	8,514
Total.....	20,487	14,140
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....		
Non-revenue cars.....		
Total.....		
<i>Switched locally—</i>		
Revenue cars.....	1,140	1,142
Non-revenue cars.....	1,140	1,142
Total.....	2,280	2,284
<i>Total—</i>		
Revenue cars.....	23,183	17,592
Non-revenue cars.....	20,565	13,696
Total.....	43,748	31,288

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$233,024. The main items were repairs to wharves and sheds damaged by a severe storm, repairs to roof and painting of steelwork of shed A, renewal of part of the steel siding of sheds 14 and 18, painting office building, relocation of a portion of the sewerage system, repairs to sprinkler system in cold storage main warehouse, repairs to locomotive No. 2, replacement of boiler on locomotive crane No. 14 and general maintenance of all other facilities.

REVENUE AND EXPENDITURES

Operating revenues amounted to \$944,190, as compared with \$913,706 in 1944, an increase of \$30,484. Operating and maintenance expenses were \$797,714, as against \$669,903 in 1944, an increase of \$127,811. Operating income amounted to \$146,476, as compared with \$243,803 in 1944.

Net income deficit, after all charges, was \$1,285,305, the corresponding figure for the preceding year being \$1,188,418.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES

Harbour General			
Harbour Dues.....	\$	12,849.02	
Miscellaneous.....		24,751.01	
		<u> </u>	\$ 37,600.03
Wharves and Piers			
Top Wharfage.....		109,526.24	
Dockage.....		59,385.12	
Miscellaneous.....		77,758.19	
		<u> </u>	246,669.55
Permanent Sheds			
Shed Rentals.....		46,159.02	
Storage.....		55,576.86	
		<u> </u>	101,735.88
Railway System.....			104,862.28
Grain Elevator System			
Elevation.....		146,092.05	
Storage.....		98,285.55	
Miscellaneous.....		3,695.96	
		<u> </u>	248,073.56
Cold Storage System			
Storage.....		93,465.07	
Miscellaneous.....		11,172.29	
		<u> </u>	104,637.36
Miscellaneous—Outsiders.....			100,611.32
			<u> </u> \$ 944,189.98

OPERATING EXPENSES

Administration.....			88,079.21
Operation and Maintenance			
Harbour Dredging.....		158.65	
Harbour General.....		103,146.20	
Vehicular Bridges.....		3,737.45	
Roads, Fences and Boundaries.....		8,444.50	
Sewers and Drains.....		2,783.08	
Wharves and Piers.....		95,754.59	
Permanent Sheds.....		41,181.30	
Railway System.....		113,947.11	
Grain Elevator System.....		180,268.30	
Cold Storage System.....		87,930.36	
Miscellaneous—Outsiders.....		72,282.96	
		<u> </u>	709,634.50
			<u> </u> 797,713.71
Operating Income.....			146,476.27

INCOME RECEIVED FROM RESERVE FUNDS.....		14,651.48	
MISCELLANEOUS INCOME CREDITS.....		960.61	
		<u> </u>	15,612.09
Total Income.....			162,088.36

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserve.....		14,651.48	
Reserve for Bad Debts.....		173.71	
Miscellaneous Income Charges.....		4,366.50	
		<u> </u>	19,191.69
			<u> </u> 142,896.67

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....		200,000.00	
Interest due Dominion Government.....		1,228,201.56	
		<u> </u>	1,428,201.56

Net Income Deficit.....\$ 1,285,304.89

Harbour of Quebec

BALANCE SHEET AS AT DECEMBER 31, 1945

HARBOUR OF QUEBEC

39

ASSETS

Fixed—	
Harbour Dredging.....	\$ 3,940,865 55
Real Estate.....	290,482 99
Vehicular Bridges.....	172,284 75
Roads, Fences and Boundaries.....	129,167 55
Sewers and Drains.....	293,022 25
Miscellaneous Structures.....	134,603 77
Wharves and Piers.....	13,148,836 24
Permanent Sheds.....	3,275,963 63
Shed Hoists.....	12,000 00
Railway System.....	874,581 53
Grain Elevator System.....	3,743,353 72
Cold Storage System.....	718,945 44
Office Furniture and Appliances.....	13,879 44
Harbour Buildings.....	196,735 26
Central Heating Plants.....	11,300 46
Harbour Shops.....	33,881 39
Electric Power System.....	58,511 44
Water Supply System.....	30,590 66
Floating Equipment.....	104,554 08
Shore Equipment.....	61,714 62
Miscellaneous Small Plant.....	8,708 36
Sundry Expenditure (Undistributed).....	1,621,453 70
	<u>\$28,875,441 63</u>

CURRENT—	
Cash—Receiver General of Canada \$	42,255 77
Cash—On Hand.....	10,105 95
	<u>52,361 72</u>
Accounts Receivable.....	85,684 23
Less—Reserve for Bad Debts.....	<u>2,833 57</u>
Stores on Hand.....	82,850 66
Accrued Revenue.....	36,320 63
Other Assets.....	599 33
	<u>403 98</u>
	<u>\$172,536 32</u>
SECURITY DEPOSITS.....	800 00
REPLACEMENT FUND.....	622,045 09
FIRE AND GENERAL INSURANCE FUND.....	94,693 54
PREPAID CHARGES.....	5,195 32
DEFERRED DEBITS.....	549 76
	<u>\$29,771,261 66</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$27,765,994 73
Expenditure under Appropriations.....	<u>2,592,677 67</u>
	<u>\$30,358,672 40</u>
CURRENT—	
Accounts Payable.....	16,014 32
Salaries and Wages Payable.....	10,465 26
Matured Interest due Dominion Government.....	29,520,572 05
Unclaimed Wages.....	19 21
	<u>29,547,070 84</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	800 00
RESERVES—	
Replacement.....	2,027,045 09
Fire and General Insurance.....	<u>94,693 54</u>
	<u>2,121,738 63</u>
DEFERRED CREDITS.....	7,843 64
	<u>62,036,125 51</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1944.....	30,979,558 96
Net Income Deficit for 1945.....	<u>1,285,304 89</u>
	<u>\$32,264,863 85</u>
	<u>\$29,771,261 66</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include three main wharves having some 7,400 linear feet of berthing with a minimum water depth of 30 feet alongside and nine transit sheds with a total floor area of about 192,000 square feet.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	1,973	2,243,566
1944.....	1,958	1,860,530
1943.....	1,778	1,424,227
1942.....	2,149	1,666,674
1941.....	2,545	2,204,960
<i>Departures—</i>		
1945.....	1,973	2,243,566
1944.....	1,958	1,860,530
1943.....	1,783	1,425,516
1942.....	2,144	1,665,336
1941.....	2,568	2,210,771

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparison for 1944.

	1945		1944	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	155	584,601	52	190,452
Coastal or inland commercial (including fishery).....	1,774	1,647,045	1,906	1,670,078
Other.....	44	11,920		
Total.....	1,973	2,243,566	1,958	1,860,530
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	155	584,601	72	269,279
Coastal or inland commercial (including fishery).....	1,774	1,647,045	1,886	1,591,251
Other.....	44	11,920		
Total.....	1,973	2,243,566	1,958	1,860,530

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	329,534	871,455	1,200,989
1944.....	365,262	376,707	741,969
1943.....	245,036	320,728	565,764
1942.....	182,146	306,360	488,506
1941.....	357,022	472,626	829,648
<i>Domestic—</i>			
1945.....	1,282,174	9,679	1,291,853
1944.....	947,277	50,538	997,815
1943.....	629,487	11,153	640,640
1942.....	831,091	16,779	847,870
1941.....	1,154,272	12,652	1,166,924
<i>Total—</i>			
1945.....	1,611,708	881,134	2,492,842
1944.....	1,312,539	427,245	1,739,784
1943.....	874,523	331,881	1,206,404
1942.....	1,013,237	323,139	1,336,376
1941.....	1,511,294	485,278	1,996,572

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparison for 1944.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	452,766	667,520	1,120,286	328,771
Pulpwood.....	756,504		756,504	692,967
Coal, bituminous.....	340,953	49	341,002	411,054
Lumber (Planks, Boards and Flooring) and Square Timber.....	4,354	74,521	78,875	113,451
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....		57,174	57,174	
Paper, newsprint.....		38,867	38,867	12,103
Coke.....	18,355		18,355	13,784
Gasoline.....	14,809		14,809	13,977
Wood-pulp.....		11,529	11,529	37,718
Petroleum Oil, fuel.....	6,467		6,467	76,678
Explosives, including Fuses and Blasting Caps.....		5,496	5,496	10,940
Motor Vehicles and Parts.....		5,325	5,325	
Pitch, coal-tar.....	2,380	2,269	4,649	
Sand and Gravel.....	3,588		3,588	
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....		2,150	2,150	
Asbestos and Asbestos Manufactures.....		2,028	2,028	
Calcium Carbide.....		1,734	1,734	
Hay and Straw.....		1,267	1,267	1,748
Box, Crate and Cooperage Materials, wooden.....		577	577	504
Molasses.....	571		571	
All goods not otherwise specified.....	10,961	10,628	21,589	26,089
TOTAL.....	1,611,708	881,134	2,492,842	1,739,784

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1945.....	15,305,216	22,508,020	37,813,236
1944.....	4,017,263	6,924,003	10,941,266
1943.....		4,513,875	4,513,875
1942.....		3,127,845	3,127,845
1941.....	9,657,704	8,368,595	18,026,299
<i>Via rail—</i>			
1945.....	4,365,538	379,000	4,744,538
1944.....	6,684,245	769,724	7,453,969
1943.....	1,763,711	145,583	1,909,294
1942.....	3,214,966		3,214,966
1941.....	1,998,191	13,035	2,011,226
<i>Via other—</i>			
1945.....		51,133	51,133
1944.....		66,038	66,038
1943.....		63,665	63,665
1942.....		41,022	41,022
1941.....		47,820	47,820
<i>Total—</i>			
1945.....	19,670,754	22,938,153	42,608,907
1944.....	10,701,508	7,759,765	18,461,273
1943.....	1,763,711	4,723,123	6,486,834
1942.....	3,214,966	3,168,867	6,383,833
1941.....	11,655,895	8,429,450	20,085,345

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Expenditure on ordinary maintenance and repairs was \$10,708. The principal items were repairs to the shed on Cap Madeleine wharf, which was damaged by wind, partial reconstruction of slip on Ste. Angele de Laval wharf, insulation of office building and painting of shed doors.

CAPITAL WORKS

Capital expenditure amounted to \$867, consisting of installation of a rope fender at the south-east corner of the basin and installation of a stoker addition to the office furnace.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$294,648, as compared with \$224,934 in 1944, an increase of \$69,714. Operating and maintenance expenses were \$32,165, as against \$55,489 in 1944, a decrease of \$23,324.

After charging interest and reserve for replacements, there was a net income surplus of \$5,254. In 1944, there was a deficit of \$82,281.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 8,924 27	
Miscellaneous.....	977 30	
	<u>\$</u>	9,901 57

Wharves and Piers

Top Wharfage.....	111,885 41	
Dockage.....	62,316 91	
Miscellaneous.....	53,613 72	
	<u></u>	227,816 04

Permanent Sheds

Shed Rentals.....	53,495 43	
Miscellaneous—Outsiders.....	3,435 08	
	<u>\$</u>	294,648 12

OPERATING EXPENSES

Administration.....	15,238 20	
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Operation and Maintenance

Harbour Dredging.....	5,000 00	
Harbour General.....	3,847 46	
Roads, Fences and Boundaries.....	192 30	
Wharves and Piers.....	1,167 24	
Permanent Sheds.....	5,986 19	
Miscellaneous—Outsiders.....	733 48	
	<u></u>	16,926 67
		<u>32,164 87</u>

Operating Income.....	262,483 25
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INCOME RECEIVED FROM RESERVE FUNDS.....	33,427 13
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Total Income.....	295,910 38
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	33,427 13	
Reserve for Bad Debts.....	200 00	
Miscellaneous Income Charges.....	187 10	
	<u></u>	33,814 23

Income Available for Interest due Public.....	262,096 15
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OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	70,000 00	
Interest due Dominion Government.....	186,842 36	
	<u></u>	256,842 36

Net Income Surplus.....	<u>\$</u>	<u>5,253 79</u>
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Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 1,204,777 00	Loans and Advances (Interest bearing).....	\$ 3,980,625 06
Roads, Fences and Boundaries.....	60,384 26	Expenditure under Appropriations.....	590,857 27
Miscellaneous Structures.....	1,281 16	Government Loans applied for contra.....	458 00
Wharves and Piers.....	5,780,456 38		<u>\$ 4,571,940 33</u>
Permanent Sheds.....	791,660 07		
Railway System.....	26,611 43		
Office Furniture and Appliances.....	1,408 90	CURRENT—	
Electric Power System.....	11,512 44	Accounts Payable.....	3,725 72
Water Supply System.....	10,894 44	Matured Interest Unpaid—	
Miscellaneous—Small Plant.....	425 75	Due Dominion Government.....	1,515,557 53
	<u>\$ 7,889,411 92</u>	Unclaimed Wages.....	1,000 00
		Matured Debentures due Public.....	<u>1,590,284 00</u>
CURRENT—			
Cash—Receiver General of Canada \$ 75,878 03		RESERVES—	
Cash—On Hand.....	476 18	Replacement.....	872,403 42
Cash in Bank — Matured Debentures.....	1,000 00	Fire and General Insurance.....	26,906 82
	<u>77,354 21</u>	Maintenance Dredging.....	<u>5,000 00</u>
Accounts Receivable.....	7,496 03		<u>904,310 24</u>
Less—Reserve for Bad Debts.....	1,800 00		
Advances Due on Capital Account.....	5,696 03	DEFERRED CREDITS	27,510 82
Stores on Hand.....	458 00		<u>7,024,045 39</u>
	<u>1,039 15</u>		
	84,547 39	SURPLUS AND DEFICIT ACCOUNT—	
		Surplus as at December 31, 1944.....	1,855,720 44
		Net Income Surplus for 1945.....	5,253 79
			<u>1,860,974 23</u>
REPLACEMENT FUND	872,337 67	Deduct—	
FIRE AND GENERAL INSURANCE FUND	26,906 82	Adjustments in 1945.....	3,862 57
MISCELLANEOUS FUNDS	5,000 00		<u>1,857,111 66</u>
PREPAID CHARGES	29 95		<u>\$ 8,881,157 05</u>
DEFERRED DEBTS	2,923 30		
	<u>\$ 8,881,157 05</u>		

HARBOUR OF MONTREAL

The Harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast. The ship channel, of which approximately 100 miles is dredged channel, provides a minimum depth of 32½ feet. The Harbour is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The Harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 105 berths, totalling about 10 miles of berthing accommodation; 26 transit sheds, with an aggregate floor area of over 2,063,000 square feet; also 4 grain elevators, with a total storage capacity of over 15,000,000 bushels, and 3½ miles of grain conveyor galleries; and a cold storage warehouse, with a capacity of 4,628,000 cubic feet. A 75-ton capacity floating crane and 10 locomotive cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	3,295	4,688,742
1944.....	2,651	2,968,527
1943.....	2,624	2,575,832
1942.....	2,816	2,750,007
1941.....	4,379	5,074,320
<i>Departures—</i>		
1945.....	3,284	4,621,510
1944.....	2,678	3,051,404
1943.....	2,642	2,654,458
1942.....	2,831	2,781,887
1941.....	4,387	5,089,703

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparison for 1944.

	1945		1944	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	641	2,326,742	215	838,401
Coastal or inland commercial (including fishery).....	2,511	2,317,711	2,436	2,130,126
Other.....	143	44,289	.....	.....
Total.....	3,295	4,688,742	2,651	2,968,527
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	647	2,328,556	251	948,034
Coastal or inland commercial (including fishery).....	2,507	2,250,980	2,427	2,103,370
Other.....	130	41,974	.....	.....
Total.....	3,284	4,621,510	2,678	3,051,404

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	1,812,369	4,904,744	6,717,113
1944.....	1,527,907	2,291,525	3,819,432
1943.....	1,852,766	1,089,447	2,942,213
1942.....	1,743,197	1,600,935	3,344,132
1941.....	4,042,679	4,078,207	8,120,886
<i>Domestic—</i>			
1945.....	1,427,446	864,958	2,292,404
1944.....	395,399	1,069,343	1,464,742
1943.....	353,627	961,034	1,314,661
1942.....	763,046	615,061	1,378,107
1941.....	1,653,440	1,283,429	2,936,869
<i>Total—</i>			
1945.....	3,239,815	5,769,702	9,009,517
1944.....	1,923,306	3,360,868	5,284,174
1943.....	2,206,393	2,050,481	4,256,874
1942.....	2,506,243	2,215,996	4,722,239
1941.....	5,696,119	5,361,636	11,057,755

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparison for 1944.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	1,159,060	2,962,086	4,121,146	928,365
Coal, bituminous.....	1,348,611	91	1,348,702	1,141,258
Gasoline.....	109,462	563,885	673,347	628,933
Petroleum Oil, fuel.....	81,525	320,073	401,598	428,605
Motor Vehicles and Parts.....	64,539	313,160	377,699	159,959
Flour, wheat.....	723	342,593	343,316	307,303
Cement, common or portland.....	525	104,155	104,680	78,378
Petroleum Oil, crude.....	95,714		95,714	
Lumber (Planks, Boards and Flooring) and Square Timber).....	3,166	84,824	87,990	133,038
Meats, canned, cured, prepared or preserved.....	113	74,845	74,958	99,093
Petroleum Oil, refined not otherwise specified.....	422	73,487	73,909	66,330
Coal, anthracite.....	73,537	94	73,631	168,626
Military supplies not otherwise specified.....	32,005	41,010	73,015	139,370
Wood-pulp.....	1,017	60,386	61,403	6,361
Gypsum, crude.....	54,660	4,319	58,979	70,118
Paper, newsprint.....		52,058	52,058	18,780
Meats, chilled, fresh or frozen.....	3,830	44,980	48,810	28,966
Kerosene.....	19,952	24,805	44,757	24,057
Cheese.....	10	38,296	38,306	26,067
Asbestos and Asbestos Manufactures.....	1,755	29,167	30,922	13,200
Manganese Ore.....	14,224	14,224	28,448	20,160
Fish (including Shell-fish), dried, pickled, salted or smoked.....	14,849	13,487	28,336	2,198

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Ferro-alloys.....	680	27,506	28,186	22,413
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....	787	26,427	27,214	22,897
Eggs, in shell.....		26,194	26,194	71
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....		23,786	23,786	8,788
Ammunition and Fireworks.....		23,436	23,436	97,523
Fertilizers and Fertilizer Materials.....	15	21,733	21,748	14,904
Paper not otherwise specified.....	751	20,357	21,108	11,707
Grain Products (Mill Products except Wheat Flour).....	42	17,680	17,722	13,018
Railway Equipment not otherwise specified.....		17,411	17,411	2,101
Beverages, alcoholic.....	9,048	6,900	15,948	6,571
Wool, unmanufactured, and Wool Yarns.....	10,944	4,117	15,061	6,785
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	215	14,427	14,642	17,920
Dry Goods not otherwise specified.....	10,888	3,560	14,448	9,705
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	926	13,162	14,088	31,794
Milk, condensed, evaporated or powdered.....	3	13,888	13,891	4,787
Soap, Soap Preparations and Toilet Preparations (including Cosmetics and Perfumery).....	110	11,963	12,073	1,379
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	1,118	10,434	11,552	11,239
Rubber Manufactures.....	479	10,981	11,460	6,132
Sugar, raw.....	11,399		11,399	
Calcium Carbide.....		10,524	10,524	7,743
Glass and Glass Manufactures.....	8,417	1,693	10,110	7,381
Eggs, dried, evaporated, desiccated or powdered.....	7	9,693	9,700	8,133
Pulpboard (except Wallboard).....	101	9,442	9,543	9,313
Copper Concentrates, Matte and Ore.....	883	8,321	9,204	7,807
Vegetables, dried.....	5	9,059	9,064	8,768
Box, Crate and Cooperage Materials, wooden.....		9,030	9,030	10,392
Carbide not otherwise specified.....		8,825	8,825	2,712
Cocoa Beans, Cocoa Preparations and Chocolate (except Confectionery).....	7,814	550	8,364	8,108
Cereals.....		8,089	8,089	6,479
Whiting.....	7,996	2	7,998	2,963
Zinc Spelter.....		7,987	7,987	8,394
Trailers and Parts.....	1,128	6,700	7,828	4,890
Iron or Steel Manufactures not otherwise specified.....	2,691	4,985	7,676	5,310
Wooden Manufactures not otherwise specified.....	454	7,101	7,555	6,561
Machinery and Parts (except agricultural).....	3,884	3,397	7,281	4,473
Chrome Ore.....	7,273		7,273	
Paints, Pigments and Varnishes.....	3,450	3,497	6,947	3,192
Wallboard.....		6,479	6,479	2,731
Lead and Lead Manufactures.....	1	6,389	6,390	83
Salt.....	1,918	4,241	6,159	9,384
Chinaware, Earthenware and Porcelainware.....	5,762	62	5,824	13,338
Fish (including Shell-fish), canned or preserved.....	227	5,502	5,729	15,257
Hay and Straw.....		5,686	5,686	3,462
Vegetable Oils.....	772	4,783	5,555	3,084
Tobacco and Tobacco Manufactures.....	116	5,356	5,472	2,441
Confectionery.....	67	5,181	5,248	2,264
Hides, Leather and Leather Manufactures.....	1,452	3,623	5,075	1,311
All Goods not otherwise specified.....	58,293	157,518	215,811	339,301
TOTAL.....	3,239,815	5,769,702	9,009,517	5,284,174

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1945, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1945.....	2,287	1,613	3,900
1944.....	140	906	1,406
1943.....	16	20	36
1942.....	607	219	826
1941.....	2,554	1,753	4,312
<i>Coastwise—</i>			
1945.....	79,560	69,342	148,902
1944.....	67,657	57,857	125,514
1943.....	60,929	53,836	114,765
1942.....	59,014	55,273	114,287
1941.....	50,988	53,595	104,583
<i>Total—</i>			
1945.....	81,847	70,955	152,802
1944.....	67,797	58,763	126,560
1943.....	60,945	53,856	114,801
1942.....	59,621	55,492	115,113
1941.....	53,542	55,353	108,895

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1945.....	40,206,939	102,873,071	143,080,010
1944.....	7,592,995	24,392,834	31,985,829
1943.....	2,056,840	9,977,970	12,034,810
1942.....	1,256,798	16,160,119	17,416,917
1941.....	13,405,841	34,714,802	48,120,643
<i>Via rail—</i>			
1945.....	72,238,084	11,661,727	83,899,811
1944.....	32,759,311	8,272,928	41,032,239
1943.....	18,048,090	11,624,710	29,672,800
1942.....	22,347,475	4,705,345	27,052,820
1941.....	28,622,487	3,887,573	32,510,060
<i>Via Other—</i>			
1945.....	4,991	3,912,265	3,917,256
1944.....	19,883	3,482,882	3,502,765
1943.....	42,899	3,325,179	3,368,078
1942.....	61,707	2,317,288	2,378,995
1941.....	3,755	2,716,739	2,720,494
<i>Total—</i>			
1945.....	112,450,014	118,447,063	230,897,077
1944.....	40,372,189	36,148,644	76,520,833
1943.....	20,147,829	24,927,859	45,075,688
1942.....	23,665,980	23,182,752	46,848,732
1941.....	42,032,083	41,319,114	83,351,197

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1945, with comparison for 1944.

	1945	1944
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	82,524	65,983
Non-revenue cars.....	8,393	6,760
Total.....	90,917	72,743
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	21,896	21,387
Non-revenue cars.....	67,560	50,569
Total.....	89,456	71,956
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	16,522	29,153
Non-revenue cars.....	13,193	22,221
Total.....	29,715	51,374
<i>Switched locally—</i>		
Revenue cars.....	2,512	1,675
Non-revenue cars.....	656	411
Total.....	3,168	2,086
<i>Total—</i>		
Revenue cars.....	123,454	118,198
Non-revenue cars.....	89,802	79,961
Total.....	213,256	198,159

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$597,144, excluding maintenance on Jacques Cartier Bridge on which \$22,067 was expended. The larger items were repairs to railway system, grain elevator system, shore and floating equipment, wharves and piers, sheds, cold storage warehouse, harbour lighting and electric power system.

CAPITAL WORKS

Expenditures on Capital and Replacement Works amounted to \$64,052. Principal items were:

Construction of Flat Scows.—Work was continued by the Board's forces on construction of three flat scows 100 ft. x 30 ft. x 9 ft. deep which were not completed the previous year. Two of these were completed during the year and the third was almost finished.

Minor items.—Included the purchase of a caterpillar tractor, an air compressor, a row boat and a tank car for storage of oil for a Diesel-electric locomotive, the construction of a railway siding at section 62, the reconstruction with 100 lb. rails of a track at shed 2, track improvement at Vulcan wharf, the construction of floating fenders, the construction of racks for the cold storage warehouse and the provision of lavatory accommodation at elevator 2.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$5,484,859, as compared with \$4,698,030 in 1944, an increase of \$786,829. Operating and maintenance expenses were \$2,928,685, as against \$2,212,489 in 1944, an increase of \$716,196.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$759,970, as compared with \$859,690 in 1944.

The foregoing figures are exclusive of the operations of Jacques Cartier Bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES

Harbour General			
Harbour Dues.....	\$	26,819 15	
Miscellaneous.....		13,269 25	
		<u>40,088 40</u>	
Wharves and Piers			
Top Wharfage.....		1,182,919 20	
Dockage.....		394,940 93	
Miscellaneous.....		349,170 31	
		<u>1,927,030 44</u>	
Permanent Sheds			
Shed Rentals.....		196,130 50	
Storage.....		202,762 51	
Miscellaneous.....		2,239 56	
		<u>401,132 57</u>	
Shed Hoists.....		35,551 78	
Railway System.....		575,294 67	
Grain Elevator System			
Elevation.....		1,158,934 33	
Storage.....		449,014 43	
Miscellaneous.....		52,489 34	
		<u>1,660,438 10</u>	
Cold Storage System			
Storage.....		259,706 64	
Miscellaneous.....		44,849 18	
		<u>304,555 82</u>	
Miscellaneous—Outsiders.....		540,767 11	
		<u>\$ 5,484,858 89</u>	

OPERATING EXPENSES

Administration.....	339,262 92	
Operation and Maintenance		
Harbour Dredging.....	10,070 36	
Harbour General.....	312,624 53	
Roads, Fences and Boundaries.....	36,462 50	
Sewers and Drains.....	4,148 41	
Wharves and Piers.....	55,839 78	
Permanent Sheds.....	57,583 82	
Shed Hoists.....	31,869 65	
Railway System.....	595,880 45	
Grain Elevator System.....	897,280 18	
Cold Storage System.....	269,418 14	
Miscellaneous—Outsiders.....	318,244 71	
	<u>2,589,422 53</u>	
		<u>2,928,685 45</u>
Operating Income.....		2,556,173 44
INCOME RECEIVED FROM RESERVE FUNDS.....	248,502 06	
MISCELLANEOUS INCOME CREDITS.....	34,087 25	
	<u>282,589 31</u>	
Total Income.....		<u>2,838,762 75</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	248,502 06	
Miscellaneous Income Charges.....	555 60	
	<u>249,057 66</u>	
		<u>2,589,705 09</u>

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	803,406 00	
Interest due Dominion Government.....	2,546,268 73	
	<u>3,349,674 73</u>	

Net Income Deficit.....\$ 759,969 64

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS

FIXED—	
Harbour Dredging.....	\$ 5,564,416 49
Real Estate.....	2,210,611 46
Roads, Fences and Boundaries.....	780,882 46
Sewers and Drains.....	144,313 52
Miscellaneous Structures.....	400,779 04
Wharves and Piers.....	24,935,270 33
Permanent Sheds.....	6,707,238 75
Shed Hoists.....	236,972 88
Railway System.....	4,084,346 50
Grain Elevator System.....	15,621,727 82
Cold Storage System.....	3,012,881 90
Office Furniture and Appliances.....	39,720 40
Harbour Buildings.....	295,813 79
Central Heating Plants.....	14,579 46
Harbour Shops.....	285,176 44
Electric Power System.....	958,891 94
Water Supply System.....	163,897 31
Floating Equipment.....	812,863 54
Shore Equipment.....	393,081 23
Works under Construction.....	35,411 73
CURRENT—	
Cash—Receiver General of Canada.....	526,422 52
Accounts Receivable.....	\$ 554,936 42
Less—Reserve for Bad Debts....	1,145 39
Advances due on Capital Account.....	553,791 03
Stores on Hand.....	17,537 62
Accrued Revenue.....	250,853 42
Other assets.....	87,337 42
	11,604 54
	<u>1,447,546 55</u>

\$86,698,676 99

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$60,021,793 27
Expenditure under Appropriations.....	4,601,910 34
Govt. Loans Applied for—Contra.....	17,537 62
	<u>\$64,641,241 23</u>

ACCOUNTS PAYABLE—CONSTRUCTION..... 696 89

CURRENT—	
Accounts Payable.....	154,073 28
Salaries and Wages Payable.....	36,769 45
Matured Interest due Dominion Government.....	13,053,949 87
Unclaimed Wages.....	264 45
Contractors Holdbacks—Maintenance.....	195 00
	<u>13,245,252 05</u>

CONTRACTORS' SECURITY DEPOSITS—CONTRA..... 95,641 83

RESERVES—	
Replacement.....	6,665,612 73
Fire and General Insurance.....	636,535 62
	<u>7,302,148 35</u>
DEFERRED CREDITS.....	<u>64,108 15</u>
	<u>85,349,088 50</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1944.....	9,028,759 57
Net Income Deficit for 1945.....	759,969 64
	<u>9,788,729 21</u>

\$75,560,359 29

\$75,560,359 29

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge during calendar year 1945, with comparisons for 1944.

	1945	1944
Passengers in vehicles.....	8,516,877	8,406,019
Automobiles (passenger).....	1,747,611	1,751,233
Trucks.....	375,996	383,286
Buses.....	68,000	85,800
All others.....	21,543	15,949

REVENUES AND EXPENDITURES

Earnings of the bridge amounted to \$604,629, as compared with \$600,238 in 1944. Operating and maintenance expenses were slightly higher, at \$105,422 in 1945, as compared with \$99,098 in the previous year.

After making provision for interest on bonds, reserves for depreciation and replacements, and other charges against income, there was a net income deficit of \$1,036,874, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and the City of Montreal. The corresponding net income deficit in 1944 was \$1,025,986.

The City of Montreal, disclaiming liability, has refused to pay the contribution of \$150,000 in respect of deficit incurred in the operation of the bridge in 1944. The Board has instructed the Department of Justice to take action to enforce collection.

The Province of Quebec has also withheld payment of its contribution.

Consequently, the balance sheet of the bridge as at December 31, 1945, shows accounts receivable of \$600,000, being contributions due from both the Province and the City in respect of deficits incurred in the years 1944 and 1945.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES—

Bridge Tolls Collected.....	\$ 593,932 37	
Sundry Receipts.....	10,696 63	
		\$ 604,629 00

OPERATING EXPENSES—

Administration.....	25,581 83	
Operation.....	57,773 30	
Maintenance.....	22,067 12	
		105,422 25

Operating Income..... 499,206 75

INCOME RECEIVED FROM RESERVE FUNDS..... 18,726 68

MISCELLANEOUS INCOME CREDITS..... 412 51

19,139 19

Total Income..... 518,345 94

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	18,726 68	
Trustees' Fees, Commissions, etc.....	104,411 61	
Bond Discount.....	8,846 16	
		131,984 45

Income Available for Interest due Public..... 386,361 49

INTEREST ON DEBT TO THE PUBLIC..... 950,000 00

563,638 51

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	15,000 00	
Reserve for Depreciation.....	166,156 20	
Interest due Dominion Government.....	292,079 26	
		473,235 46

1,036,873 97

Deduct—

Proportion of Deficit Payable by:

Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
		300,000 00

Net Income Deficit..... \$ 766,873 97

Jacques Cartier Bridge—Montreal

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS		LIABILITIES	
Fixed—			
Bridge Structure, Right-of-Way, etc.	\$18,645,857 16	DEBTURE INDEBTEDNESS TO PUBLIC—	
CURRENT—		Forty-year 5% First Mortgage	
Cash—Receiver General of Canada \$	78,080 49	Maturing 1st November, 1969	\$19,000,000 00
Cash—On Hand	1,520 92	Suspense Account re Sale of Property	5,000 00
Cash in Bank—Coupon Account	35,917 62	DOMINION GOVERNMENT ACCOUNT—	
Accounts Receivable	7,302 63	Advances to meet Interest on Bonds	6,398,181 00
Province of Quebec—			
On Account of Deficit	300,000 00	CURRENT—	
City of Montreal—		Accounts Payable	26,280 27
On Account of Deficit	300,000 00	Salaries and Wages Payable	1,108 25
	607,302 63	Matured Interest due Dominion Government	2,483,648 37
		Matured Interest due Public—Contra	35,917 62
		Accrued Interest due Public	158,333 34
			2,705,287 85
REPLACEMENT FUND		RESERVES—	
	591,539 96	Replacement—General	329,636 01
		Replacement—Painting	261,903 95
		Depreciation	2,326,028 68
			2,917,568 64
MISCELLANEOUS FUNDS		DEFERRED CREDITS	354 16
	13,341 39		31,026,391 65
BOND DISCOUNT SUSPENSE ACCOUNT		SURPLUS AND DEFICIT ACCOUNT—	
	210,834 18	Deficit as at December 31, 1944	10,102,339 82
		Net Income Deficit for 1945	736,873 97
PREPAID CHARGES			10,839,218 79
	2,783 51		\$20,187,177 86
	\$20,187,177 86		

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with a storage capacity of 5,500,000 bushels with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1945.....	14,432,839	13,095,924	27,528,763
1944.....	10,319,022	4,348,763	14,667,785
1943.....	1,870,683	373,085	2,243,768
1942.....	1,908,275	936,989	2,845,264
1941.....	6,027,526	1,165,919	7,193,445
<i>Via rail—</i>			
1945.....	415,870	4,089,029	4,504,899
1944.....	873,558	3,729,292	4,602,850
1943.....	336,820	4,021,431	4,358,251
1942.....	465,886	2,086,328	2,552,214
1941.....	166,493	4,618,218	4,784,711
<i>Via other—</i>			
1945.....		530,985	530,985
1944.....		480,792	480,792
1943.....		212,077	212,077
1942.....		92,702	92,702
1941.....	2,751	186,084	188,835
<i>Total—</i>			
1945.....	14,848,709	17,715,938	32,564,647
1944.....	11,192,580	8,558,847	19,751,427
1943.....	2,207,503	4,606,593	6,814,096
1942.....	2,374,161	3,116,019	5,490,180
1941.....	6,196,770	5,970,221	12,166,991

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$17,846. The major items were repairs to electrical and signal equipment, marine towers, marine legs, shovel gear, lofters and conveyors.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$195,723, as compared with \$257,750 in 1944. Expenditures on operation and maintenance were \$119,422, the comparable figure for 1944 being \$110,575.

Net income surplus for the year was \$82,778, as against \$147,988 in 1944, a decrease of \$65,210. No charge for interest or depreciation of property is made in the accounts of this facility.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES—

Harbour General			
Miscellaneous.....	\$	267 50	
Wharves and Piers			
Top Wharfage.....		1,094 74	
Railway System.....		204 00	
Grain Elevator System			
Elevation.....	\$	112,913 72	
Storage.....		65,188 34	
Miscellaneous.....		16,055 03	
		<u>194,157 09</u>	\$ 195,723 33

OPERATING EXPENSES—

Administration.....	16,637 56	
Operation and Maintenance		
Grain Elevator System.....	102,784 40	
	<u>119,421 96</u>	

Operating Income..... 76,301 37

MISCELLANEOUS INCOME CREDITS..... 6,925 21

Total Income..... 83,226 58

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges..... 448 21

Net Income Surplus..... \$ 82,778 37

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS

Fixed—	
Wharves and Piers.....	\$ 961,260 11
Railway System.....	373,248 47
Grain Elevator System.....	3,549,717 17
Office Furniture and Appliances.....	2,850 63
Miscellaneous Small Plant.....	2,173 88
	<hr/>
	4,889,250 26

Current—	
Cash—Receiver General of Canada	87,876 14
Cash—On Hand.....	89 54
	<hr/>
Accounts Receivable.....	87,965 68
Stores on Hand.....	7,562 14
Accrued Revenue.....	7,313 25
Other Assets.....	4,425 73
	<hr/>
	116,722 02

Prepaid Charges	24 48
	<hr/>
	\$ 5,005,996 76
	<hr/>

LIABILITIES

Dominion Government Account—	
Expenditure under Appropriations.....	\$ 4,898,401 59
	<hr/>
Current—	
Accounts Payable.....	4,043 08
Salaries and Wages Payable.....	1,130 28
Unclaimed Wages.....	0 34
	<hr/>
	5,173 70

Deferred Credits.....	92 31
	<hr/>

Surplus and Deficit Account—	
Surplus as at December 31, 1944.....	169,924 44
	<hr/>
Net Income Surplus for 1945.....	82,778 37
	<hr/>
	252,702 81

Deduct—	
Adjustments in 1945.....	\$ 2,385 97
Payment to Dominion Government on account of Surplus Earnings.....	147,987 68
	<hr/>
	150,373 65

	<hr/>
	102,329 16
	<hr/>
	\$ 5,005,996 76
	<hr/>

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1945.....	27,607,688	22,774,250	50,381,938
1944.....	9,065,125	6,424,015	15,489,140
1943.....	4,058,365	278,455	4,336,820
1942.....	4,702,131	1,523,043	6,225,174
1941.....	5,801,434	2,381,375	8,182,809
<i>Via rail—</i>			
1945.....		2,714,152	2,714,152
1944.....	1,614	2,441,184	2,442,798
1943.....		4,325,750	4,325,750
1942.....		2,653,044	2,653,044
1941.....		2,560,818	2,560,818
<i>Via other—</i>			
1945.....		1,730,209	1,730,209
1944.....		185,298	185,298
1943.....		63,965	63,965
1942.....		80,096	80,096
1941.....		16,860	16,860
<i>Total—</i>			
1945.....	27,607,688	27,218,611	54,826,299
1944.....	9,066,739	9,050,497	18,117,236
1943.....	4,058,365	4,668,170	8,726,535
1942.....	4,702,131	4,256,183	8,958,314
1941.....	5,801,434	4,959,053	10,760,487

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$23,470. The major items were overhauling automatic scales, repairs to shovel gear, marine legs, lofters, conveyors, building structure, inside electrical circuits and vessel loading spouts.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$292,777, as compared with \$239,703 in 1944. Operating and maintenance expenses were \$145,711, the corresponding figure for 1944 being \$97,107.

Net income surplus for 1945 was \$149,837, as against \$142,740 in the previous year, an increase of \$7,097. No charge is made in the accounts of this facility for interest or depreciation of physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES

Elevation.....	\$ 199,204 10	
Storage.....	92,827 63	
Miscellaneous.....	745 19	
	<u>\$</u>	292,776 92

OPERATING EXPENSES

Administration.....	19,404 26	
Operation and Maintenance.....	126,306 94	
	<u></u>	145,711 20

Operating Income..... 147,065 72

MISCELLANEOUS INCOME CREDITS

3,863 50

Total Income..... 150,929 22

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges..... 1,092 25

Net Income Surplus..... \$ 149,836 97

Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 21,875 80	Expenditure under Appropriations.....	\$ 2,356,217 60
Wharves and Piers.....	533,644 00		
Railway System.....	42,189 22		
Grain Elevator System.....	1,765,427 02		
Office Furniture and Appliances.....	2,560 25		
Miscellaneous—Small Plant.....	5,267 00		
	<u>\$ 2,370,963 29</u>		
CURRENT—		CURRENT—	
Cash—Receiver General of Canada. \$ 153,848 79		Accounts Payable.....	\$ 2,100 04
Cash—On Hand.....	325 00	Salaries and Wages Payable.....	2,783 98
	<u>154,173 79</u>		<u>4,884 02</u>
Accounts Receivable.....	27,844 24		<u>\$ 2,361,101 62</u>
Stores on Hand.....	24,344 50		
	<u>206,362 53</u>		
		SURPLUS AND DEFICIT ACCOUNT—	
		Surplus as at December 31, 1944.....	209,126 88
		Net Income Surplus for 1945.....	149,836 97
			<u>358,963 85</u>
		Deduct—	
		Payment to Dominion Government on	
		account of Surplus Earnings.....	142,739 65
			<u>216,224 20</u>
			<u>\$ 2,577,325 82</u>

HARBOUR OF CHURCHILL

The harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels, equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, a locomotive crane of 20 tons capacity, a floating crane of 10 tons capacity, shear legs of 35 tons capacity and a marine slipway capable of handling boats up to 1,200 tons weight.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	9	2,146
1944.....	12	4,109
1943.....	35	25,026
1942.....	34	26,315
1941.....	19	2,027
<i>Departures—</i>		
1945.....	9	2,146
1944.....	12	4,109
1943.....	38	25,809
1942.....	34	26,254
1941.....	19	2,027

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparison for 1944.

	1945		1944	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1	1,502	3	3,434
Coastal or inland commercial (including fishery).....	8	644	9	675
Total.....	9	2,146	12	4,109
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1	1,502	3	3,434
Coastal or inland commercial (including fishery).....	8	644	9	675
Total.....	9	2,146	12	4,109

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	20	280	300
1944.....		22,207	22,207
1943.....			
1942.....			
1941.....			
<i>Domestic—</i>			
1945.....	30	1,077	1,107
1944.....	45	1,103	1,148
1943.....	1,232	10,288	11,520
1942.....	122	26,563	26,685
1941.....	91	762	853
<i>Total—</i>			
1945.....	30	1,077	1,107
1944.....	65	1,383	1,448
1943.....	1,232	32,495	33,727
1942.....	122	26,563	26,685
1941.....	91	762	853

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	Bu.)	(Bu.)
<i>Via water—</i>			
1945.....			
1944.....		740,219	740,219
1943.....			
1942.....			
1941.....			
<i>Via rail—</i>			
1945.....			
1944.....			
1943.....			
1942.....			
1941.....			
<i>Via other—</i>			
1945.....		90	90
1944.....		25	25
1943.....			
1942.....			
1941.....			
<i>Total—</i>			
1945.....		90	90
1944.....		25	25
1943.....		740,219	740,219
1942.....			
1941.....			

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$35,122. The major items were renewing timber sheeting on the face of wharf, painting conveyor gallery, repairs to expansion rollers on conveyor gallery, replacement of heating boilers in machine shop and powerhouse and maintenance of marine railway and grain elevator.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$66,785, as compared with \$71,028 in 1944. Expenditures on operation and maintenance were \$152,666, as against \$128,635 in 1944.

After taking into account income credits and debits, there was a net income deficit of \$86,218, as compared with a deficit of \$59,266 shown in 1944, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES

Harbour General			
Harbour Dues.....	\$	9 00	
Miscellaneous.....		300 00	
		<u> </u>	\$ 309 00
Wharves and Piers			
Top Wharfage.....		239 40	
Dockage.....		900 00	
		<u> </u>	1,139 40
Permanent Sheds			
Storage.....			1,198 35
Grain Elevator System			
Storage.....			47,318 01
Miscellaneous—Outsiders.....			16,819 96
			<u> </u> \$ 66,784 72

OPERATING EXPENSES

Administration.....		26,445 01	
Operation and Maintenance			
Harbour Dredging.....		8,203 65	
Harbour General.....		20,418 85	
Roads, Fences and Boundaries.....		1,813 30	
Wharves and Piers.....		8,820 29	
Permanent Sheds.....		1,625 61	
Railway System.....		1,713 75	
Grain Elevator System.....		68,292 23	
Miscellaneous—Outsiders.....		15,333 45	
		<u> </u>	126,221 13
			<u> </u> 152,666 14
Operating Deficit.....			85,881 42
MISCELLANEOUS INCOME CREDITS.....			24 82
			<u> </u> 85,856 60
MISCELLANEOUS DEDUCTIONS FROM INCOME			
Miscellaneous Income Charges.....			2 47
			<u> </u> 85,859 07
OTHER INCOME REQUIREMENTS			
Interest due Dominion Government.....			359 06
Net Income Deficit.....	\$		<u><u>86,218 13</u></u>

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS

FIXED—	
Harbour Dredging.....	\$ 1,180,299 95
Real Estate.....	60,277 58
Miscellaneous Structures.....	173,228 40
Wharves and Piers.....	1,367,768 68
Permanent Sheds.....	200,594 74
Railway System.....	32,732 20
Grain Elevator System.....	4,133,460 34
Harbour Buildings.....	147,300 05
Harbour Shops.....	13,299 71
Electric Power System.....	19,491 34
Water Supply System.....	407,897 10
Floating Equipment.....	779,981 03
Miscellaneous Small Plant.....	425,708 42
Engineering—General Surveys.....	109,441 06
Sundry Expenditure (Undistributed).....	3,774,378 35
	<u>\$12,825,918 95</u>

CURRENT—	
Cash—Receiver General of Canada \$	4,479 08
Cash—On Hand.....	478 39

Accounts Receivable.....	4,937 47
Stores on Hand.....	10,206 32
Accrued Revenue.....	58,255 40
	<u>61,278 92</u>

134,698 11
6 00

PREPAID CHARGES.....

\$12,960,623 06

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (interest bearing).....	\$ 10,258 98
Expenditure under Appropriations.....	12,895,940 57
	<u>\$12,906,199 55</u>
CURRENT—	
Working Capital Advances.....	\$ 30,000 00
Accounts Payable.....	8,893 47
Salaries and Wages Payable.....	4,298 20
Matured Interest due Dominion Government..	1,077 18
Unclaimed wages.....	12 20
	<u>44,281 05</u>

DEFERRED CREDITS.....	4,928 09
	<u>12,955,408 69</u>

SURPLUS AND DEFICIT ACCOUNT—	
Surplus as at December 31, 1944.....	5,573 43
Government Grant re 1945 Deficit.....	85,859 07

DEDUCT—	
Net Income Deficit for 1945.....	91,432 50
	<u>86,218 13</u>

5,214 37

\$12,960,623 06

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year round, has a minimum depth of 35 feet. The Board has 3 piers, a wharf and two jetties, having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,779,500 bushels, a combined loading capacity of about 200,000 bushels per hour and $1\frac{1}{2}$ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish. A 40-ton fixed derrick is installed on Lapointe pier.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1945.....	24,597	9,824,176
1944.....	24,530	9,081,029
1943.....	24,772	8,519,256
1942.....	26,997	9,294,511
1941.....	28,351	10,740,249
<i>Departures—</i>		
1945.....	24,801	9,805,637
1944.....	24,525	9,312,621
1943.....	24,858	8,799,244
1942.....	26,924	9,535,149
1941.....	28,204	10,712,045

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1945, with comparison for 1944.

	1945		1944	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	514	2,126,097	348	1,397,855
Coastal or inland commercial (including fishery).....	24,083	7,698,079	24,182	7,683,174
Total.....	24,597	9,824,176	24,530	9,081,029
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	515	2,111,352	406	1,651,207
Coastal or inland commercial (including fishery).....	24,286	7,694,285	24,119	7,661,414
Total.....	24,801	9,805,637	24,525	9,312,621

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1945.....	1,428,889	1,671,379	3,100,268
1944.....	1,515,019	1,225,246	2,740,265
1943.....	1,264,257	576,246	1,840,503
1942.....	1,388,675	387,956	1,776,631
1941.....	1,440,405	688,180	2,128,585
<i>Domestic—</i>			
1945.....	2,688,433	1,203,821	3,892,254
1944.....	2,772,580	1,298,445	4,071,025
1943.....	2,601,924	1,207,407	3,809,331
1942.....	2,806,720	1,206,817	4,013,537
1941.....	3,189,826	1,075,320	4,265,146
<i>Total—</i>			
1945.....	4,117,322	2,875,200	6,992,522
1944.....	4,287,599	2,523,691	6,811,290
1943.....	3,866,181	1,783,653	5,649,834
1942.....	4,195,395	1,594,773	5,790,168
1941.....	4,630,231	1,763,500	6,393,731

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1945, with comparison for 1944.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	944,958	90,111	1,035,069	1,149,728
Petroleum Oil, crude.....	921,442		921,442	1,152,127
Grain.....		912,610	912,610	437,208
Lumber (Planks, Boards and Flooring) and Square Timber.....	570,677	219,127	789,804	741,432
Petroleum Oil, fuel.....	195,968	320,988	516,956	447,695
Sand and Gravel.....	229,027	5,214	234,241	214,991
Paper, newsprint.....	207,833	20,959	228,792	200,367
Gasoline.....	94,345	129,713	224,058	173,330
Coal, bituminous.....	173,019	36,630	209,649	259,336
Wood-pulp.....	144,706	39,363	184,069	139,348
Flour, Wheat.....	12	104,793	104,805	269,571
Fish (including Shell-fish), canned or preserved.....	39,859	46,550	86,409	52,085
Hog Fuel.....		85,669	85,669	86,489
Sugar, raw.....	81,625		81,625	56,839
Paper not otherwise specified.....	53,436	20,049	73,485	107,524
Motor Vehicles and Parts.....	3,832	66,874	70,706	112,037
Fertilizers and Fertilizer Materials.....	13,174	55,452	68,626	42,671
Cement, common or portland.....	51,275	4,467	55,742	38,418
Railway Equipment not otherwise specified.....		34,674	34,674	
Machinery and Parts (except Agricultural).....	10,719	23,670	34,389	56,043
Lime.....	29,146	678	29,824	20,777
Fish (including Shell-fish), fresh or frozen.....	25,990	246	26,236	24,851
Box, Crate and Cooperage Materials, wooden.....	4,030	15,935	19,965	6,607

Commodities	Inward 1945	Outward 1945	Total 1945	Total 1944
	(Tons)	(Tons)	(Tons)	(Tons)
Beverages, alcoholic.....	5,406	14,384	19,790	18,901
Copra.....	19,768	.....	19,768	18,794
Boats (including Canoes) and Parts.....	1,043	15,919	16,962	13,140
Wool, unmanufactured and Wool Yarns.....	16,771	8	16,779	27,958
Kerosene.....	13,788	2,771	16,559	18,329
Sugar, refined.....	4	14,925	14,929	6,980
Fish Oils.....	11,978	1,325	13,303	12,283
Sulphur.....	6,561	6,365	12,926	14,783
Salt.....	6,160	6,333	12,493	8,384
Iron or Steel Rails and Fastenings.....	190	11,685	11,875	37,437
Cereals.....	.....	11,275	11,275	1,523
Live Stock.....	10,783	460	11,243	10,517
Chemicals, not otherwise specified.....	3,050	7,602	10,652	25,627
Petroleum Oil, refined not otherwise specified.....	3,852	6,668	10,520	13,219
Pulpboard (except Wallboard).....	524	9,992	10,516	1,676
Hides, Leather and Leather Manufactures.....	8,980	775	9,755	11,810
Tin and Tin Manufactures.....	441	8,365	8,806	7,098
Nuts.....	8,393	.....	8,393	7,886
Ores and Concentrates not otherwise specified.....	7,806	1	7,807	5,833
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	30	7,704	7,734	7,540
Apples.....	5	7,239	7,244	27
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	.....	7,090	7,090	11,399
Cotton, raw.....	5,172	1,861	7,033	.....
Fruits, dried.....	6,858	21	6,879	5,054
Tallow, inedible.....	6,871	.....	6,871	8,839
Groceries not otherwise specified.....	149	6,691	6,840	4,488
Jute and Jute Manufactures.....	4,065	1,827	5,892	569
Brick.....	3,325	2,480	5,805	1,362
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	.....	5,774	5,774	24,929
Lead and Lead Manufactures.....	.....	5,472	5,472	11,650
Rock and Stone.....	1,285	4,044	5,329	1,804
Vegetables, canned or preserved.....	28	5,040	5,068	723
Zinc Spelter.....	.....	5,059	5,059	5,892
All Goods not otherwise specified.....	163,963	462,273	626,236	675,362
TOTAL.....	4,117,322	2,875,200	6,992,522	6,811,290

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1945, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1945.....	591	220	811
1944.....	247	34	281
1943.....	233	49	282
1942.....	42	86	128
1941.....	6,843	1,498	8,341
<i>Coastwise—</i>			
1945.....	967,983	973,899	1,941,882
1944.....	933,839	932,328	1,866,167
1943.....	923,395	920,234	1,843,629
1942.....	806,023	807,287	1,613,310
1941.....	782,336	788,237	1,570,573
<i>Total—</i>			
1945.....	968,574	974,119	1,942,693
1944.....	934,086	932,362	1,866,448
1943.....	923,628	920,283	1,843,911
1942.....	806,065	807,373	1,613,438
1941.....	789,179	789,735	1,578,914

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1945, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1945.....		32,000,960	32,000,960
1944.....		14,552,674	14,552,674
1943.....		4,853,270	4,853,270
1942.....		2,152,971	2,152,971
1941.....	214,181	2,828,467	3,042,648
<i>Via rail—</i>			
1945.....	34,655,617	8,612,136	43,267,753
1944.....	20,137,598	4,952,097	25,089,695
1943.....	9,094,135	5,433,190	14,527,325
1942.....	4,426,993	3,462,244	7,889,237
1941.....	5,665,782	2,736,842	8,402,624
<i>Via other—</i>			
1945.....	22,649		22,649
1944.....	18,839		18,839
1943.....	13,468		13,468
1942.....	101,506		101,506
1941.....	118,715		118,715
<i>Total—</i>			
1945.....	34,678,266	40,613,096	75,291,362
1944.....	20,156,437	19,504,771	39,661,208
1943.....	9,107,603	10,286,460	19,394,063
1942.....	4,528,499	5,615,215	10,143,714
1941.....	5,998,678	5,565,309	11,563,987

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1945, with comparison for 1944.

	1945	1944
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	16,635	17,931
Non-revenue cars.....	4,763	5,467
Total.....	21,398	23,398
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	4,766	5,276
Non-revenue cars.....	16,337	17,695
Total.....	21,103	22,971
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	15,727	15,284
Non-revenue cars.....	14,668	13,875
Total.....	30,395	29,159
<i>Switched locally—</i>		
Revenue cars.....	984	906
Non-revenue cars.....	464	298
Total.....	1,448	1,204
<i>Total—</i>		
Revenue cars.....	38,112	39,397
Non-revenue cars.....	36,232	37,335
Total.....	74,344	76,732

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$197,467, excluding maintenance of Second Narrows Bridge, upon which \$19,331 was expended. The principal items were the renewal of grain gallery supports at No. 3 jetty, the renewal of a portion of the trestle approach to Granville Island, installation of a new engine pit at the terminal railway roundhouse, renewal of corner protection timbers at north end of Lapointe pier, the reconstruction in concrete of part of roadways on Lapointe pier, replacement of the cooling tower at the Fish wharf and strengthening posts and trusses in the fish booths, the overhaul of terminal railway locomotives, painting of the steel work of Second Narrows Bridge and track maintenance.

CAPITAL WORKS

Capital expenditure amounted to \$20,090 of which \$17,853 related to ordinary harbour installations, financed from interest bearing advances to the Board, and replacement fund, and \$2,237 related to works authorized under and chargeable to War Appropriation. The principal items were the completion of installation of a 40-ton derrick at Lapointe pier, construction of a longshoremen's rest room at Ballantyne pier, the construction of a terminal railway office, the construction of a toolhouse for the south shore section of the terminal railway, the installation of a diamond crossover to serve No. 3 elevator, the installation of warning gongs on Ballantyne pier cranes and the provision of a lighting unit for a Lima crane.

Two areas were dredged in the False Creek channel to provide a channel width of 70 feet and a depth at low water of 14 feet.

REVENUES AND EXPENDITURES

Operating revenues were \$2,199,550, as compared with \$2,138,667 in 1944, an increase of \$60,883. Operating and maintenance expenses showed an increase of \$39,666, the comparable figures being \$956,434 in 1945 and \$916,768 in 1944.

After taking into account income debits and credits and making provision for replacements and interest due the Dominion Government, there was a net deficit of \$192,218, as compared with a deficit of \$224,010 in 1944.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES

Harbour General		
Harbour Dues.....	\$ 69,147 90	
Cargo Rates.....	500,714 84	
Miscellaneous.....	469,937 85	\$ 1,039,800 59
Wharves and Piers		
Top Wharfrage.....	282,553 03	
Dockage.....	12,502 00	
Miscellaneous.....	22,483 54	317,538 57
Permanent Sheds		
Shed Rentals.....	20,902 50	
Storage.....	160,240 55	
Miscellaneous.....	15,320 04	196,463 09
Railway System.....		280,041 09
Grain Elevator System		
Rentals.....		330,828 96
Cold Storage System		
Storage.....	2,677 00	
Miscellaneous.....	19,801 15	22,478 15
Miscellaneous—Outsiders.....		12,399 68
		\$ 2,199,550 13

OPERATING EXPENSES

Administration.....		136,541 00
Operating and Maintenance—		
Harbour General.....	321,182 47	
Roads, Fences and Boundaries.....	588 27	
Wharves and Piers.....	73,228 58	
Permanent Sheds.....	93,856 02	
Shed Hoists.....	839 79	
Railway System.....	239,671 06	
Grain Elevator System.....	57,374 62	
Cold Storage System.....	22,455 45	
Miscellaneous—Outsiders.....	10,696 95	819,893 21
		956,434 21

Operating Income..... 1,243,115 92

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 291,022 64

MISCELLANEOUS INCOME CREDITS..... 37,469 45

Total Income..... 1,571,608 01

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	289,887 40	
Reserve for Bad Debts.....	347 75	
		290,235 15
		1,281,372 86

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	250,000 00	
Interest due Dominion Government.....	1,223,591 31	1,473,591 31

Net Income Deficit.....\$ 192,218 45

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS

FIXED—	
Harbour Dredging.....	\$ 2,237 34
Real Estate.....	6,638,024 14
Vehicular Bridges.....	98,181 20
Roads, Fences and Boundaries.....	284,491 77
Miscellaneous Structures.....	8,564 61
Wharves and Piers.....	7,939,714 51
Permanent Sheds.....	1,437,356 96
Railway System.....	1,316,701 59
Grain Elevator System.....	6,572,452 61
Cold Storage System.....	68,682 88
Office Furniture and Appliances.....	35,060 02
Harbour Buildings.....	56,212 02
Water Supply System.....	860 25
Floating Equipment.....	27,369 12
Shore Equipment.....	251,040 98
Miscellaneous Small Plant.....	44,876 41
Engineering—General Surveys.....	3,084 59
Works under Construction.....	26,382 33
	<u>\$24,811,323 33</u>

CURRENT—

Cash—Receiver General of Canada	\$ 373,983 74
Cash—On Hand.....	17,688 19
Accounts Receivable.....	• 221,787 72
Less—Reserve for Bad Debts.....	12,058 57
Advances due on Capital.....	209,729 15
Stores on Hand.....	15,593 50
Accrued Revenue.....	47,975 74
	<u>83,783 17</u>

SECOND NARROWS BRIDGE—EQUITY.

INVESTMENTS.....	672,632 97
SECURITY DEPOSITS.....	44,718 40
REPLACEMENT FUND.....	10,000 00
FIRE AND GENERAL INSURANCE FUND.....	5,290,552 77
MISCELLANEOUS FUNDS.....	64,816 07
PREPAID CHARGES.....	37,846 96
DEFERRED DEBITS.....	2,438 40
	<u>5,902 31</u>
	<u>\$31,688,984 70</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$24,978,532 02
Expenditure under Appropriations.....	2,237 34
Govt. Loans Applied for (Contra).....	15,593 50
	<u>\$24,996,362 86</u>
CURRENT—	
Accounts Payable.....	59,023 30
Salaries and Wages Payable.....	6,736 09
Matured Interest due Dominion Government.....	5,089,888 42
Contractors Holdbacks—Maintenance.....	4,681 02
Undeclared Wages.....	396 48
	<u>5,160,725 31</u>

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....

10,000 00

RESERVES—

Replacement.....	5,289,396 23
Fire and General Insurance.....	64,816 07
Miscellaneous.....	16,775 03
	<u>5,370,987 33</u>

DEFERRED CREDITS AND SUSPENSE ACCOUNT.....

88,382 82

35,626,458 32

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1944.....	3,743,889 16
Adjustments in 1945.....	1,366 01
Net Income Deficit for 1945.....	192,218 45
	<u>3,937,473 62</u>

\$31,688,984 70

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge during calendar year 1945, with comparison for 1944.

	1945	1944
Passengers in Vehicles and Pedestrians.....	2,581,401	2,108,782
Automobiles (Passenger).....	739,493	649,197
Trucks, including Buses.....	285,416	135,447
All others.....	1,365	637

REVENUES AND EXPENDITURES

Operating revenues amounted to \$169,701, as compared with \$137,585 in 1944, an increase of \$32,116. Operating and maintenance expenses increased slightly, being \$63,677 in 1945, as against \$62,037 in the previous year.

After charging interest on debt to Vancouver harbour, the bridge showed a surplus for the year of \$68,642, as compared with \$30,876 in 1944.

The surplus of \$68,642 was applied, in accordance with the agreement under which the bridge was acquired by the Board's predecessors, against the expenditure incurred on the reconstruction of the bridge. To date the amount so applied totals \$337,775. The unpaid balance of reconstruction cost at December 31, 1945, was \$672,633, of which \$96,347 represented matured and unpaid instalments.

INCOME STATEMENT FOR THE CALENDAR YEAR 1945

OPERATING REVENUES—

Bridge Tolls.....	\$ 166,313 51	
Sundry Receipts.....	3,387 80	
		\$ 169,701 31

OPERATING EXPENSES—

Administration.....	4,863 09	
Operation.....	39,483 31	
Maintenance.....	19,330 92	
		63,677 32

Operating Income.....	106,023 99
-----------------------	------------

INCOME RECEIVED FROM RESERVE FUNDS.....	3,943 14
---	----------

Total Income.....	109,967 13
-------------------	------------

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserve.....	3,943 14	
Reserve for Bad Debts.....	318 00	
		4,261 14

INTEREST ON DEBT TO VANCOUVER HARBOUR.....	105,705 99
	37,063 77

Operating Surplus (Before providing for instalments of principal).....	\$ 68,642 22
--	--------------

Second Narrows Bridge—Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS		LIABILITIES	
FIXED—		CAPITAL—	
Capital Cost Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured Balance....	\$ 576,286 11
Office Furniture and Appliances.....	501 99		
CURRENT—		CURRENT—	
Cash—Rec. Gen. of Canada.....	\$ 653 20	Accounts Payable.....	\$ 99 96
Cash—On Hand.....	1,243 90	Ticket Liability.....	4,648 97
	<u>1,897 10</u>	Vancouver Harbour—Matured Instalment	
Accounts Receivable.....	10 50	Unpaid.....	96,346 86
Accrued Revenue.....	432 88		<u>101,095 79</u>
	<u>2,340 48</u>	RESERVES—	
		Replacement.....	74,063 63
		DEFERRED CREDITS	8 33
			<u>751,453 86</u>
REPLACEMENT FUND	74,063 63	SURPLUS ACCOUNT (Representing Repayment of	
PREPAID CHARGES	1,914 79	Principal out of Income)—	
		Balance as at December 31, 1944.....	269,132 61
		Add—	
		Operating Surplus for 1945 applied to Re-	
		payment of Principal.....	68,642 22
			<u>337,774 83</u>
			<u>\$ 1,089,228 69</u>

This Balance Sheet is drawn up so as to reflect the terms of an Agreement, dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statement of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1945

REVENUE—

Assessments.....	\$	145,641 53
------------------	----	------------

EXPENDITURE—

Salaries.....	\$	108,084 96
Travelling Expenses.....		5,465 22
Advertising.....		2,001 00
Office Expenses.....		16,126 66
Treasury Office—Salaries and Expenses.....		13,963 69
	\$	<u>145,641 53</u>

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1945

ASSETS		LIABILITIES	
Fixed—		CURRENT—	
Office Furniture and Appliances.....	\$ 3,612 01	Accounts Payable.....	\$ 1,647 44
CURRENT—		GENERAL WORKMEN'S COMPENSATION ACCOUNTS—	
Cash—Receiver General of Canada.....	\$ 1,637 31	Reserve.....	329,399 62
Cash—On Hand.....	10 13		
	<u>1,647 44</u>		
GENERAL WORKMEN'S COMPENSATION FUND—		PENSION ACCOUNTS—	
Cash and Securities.....	323,178 81	Accounts Payable.....	1 44
Accounts Receivable.....	6,220 81	Reserve.....	\$ 900,792 40
	<u>329,399 62</u>		<u>900,793 84</u>
PENSION FUND—		SURPLUS AND DEFICIT ACCOUNT—	
Cash.....	854,712 54	Surplus as at December 31, 1944.....	3,728 78
Accounts Receivable.....	46,081 30	Deduct—	
	<u>900,793 84</u>	Adjustments in 1945.....	116 77
			<u>3,612 01</u>
			<u>\$ 1,235,452 91</u>
			<u>\$ 1,235,452 91</u>

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ANNUAL REPORT

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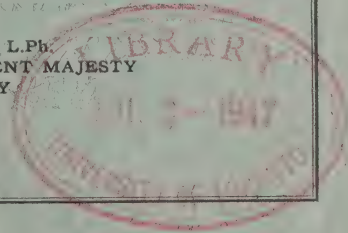
NATIONAL HARBOURS BOARD

For Calendar Year

1946



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.P.
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
CONTROLLER OF STATIONERY
1947



Price, 25 cents

2117-1
ANNUAL REPORT

OF THE

NATIONAL HARBOURS
BOARD

For Calendar Year

1946



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.Ph.
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
CONTROLLER OF STATIONERY

1947

NATIONAL HARBOURS BOARD

R. K. Smith, K.C.	Chairman.
J. E. St. Laurent, C.M.G.	Vice-Chairman.
B. J. Roberts, C.B.E.	Member.

F. W. Riddell	Executive Secretary.
C. P. Buckley	Assistant Secretary.
E. G. Cameron	Chief Engineer.
W. C. Perron	Traffic Officer.

Halifax	R. W. Hendry, M.B.E.....	Port Manager.
Saint John.....	Russell Yuill, M.B.E.....	Port Manager.
Chicoutimi.....	Jean Côté.....	Acting Port Manager.
Quebec.....	Louis Beaudry.....	Port Manager and Chief Engineer.
Three Rivers.....	J. R. Larivière.....	Port Manager.
Montreal.....	Alex. Ferguson.....	Port Manager.
Prescott.....	G. T. Birch.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	K. J. Burns.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, MARCH 22, 1947.

To the Honourable LIONEL CHEVRIER, K.C., M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the eleventh annual report of the National Harbours Board, covering the operations for the calendar year 1946, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING

Vessel arrivals in 1946 numbered 39,823, the aggregate net registered tonnage being 26,878,748. The comparable figures for 1945 were 38,467 vessels, aggregating 29,046,089 net registered tons. The following statement shows the number and tonnage of vessels which arrived at and departed from harbours under the administration of the Board in the past five years:

VESSELS—ARRIVALS AND DEPARTURES

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	39,823	26,878,748
1945.....	38,467	29,046,089
1944.....	38,042	27,019,836
1943.....	39,041	27,400,898
1942.....	43,432	32,680,820
<i>Departures—</i>		
1946.....	39,955	26,899,044
1945.....	38,724	29,196,004
1944.....	37,983	27,079,680
1943.....	39,177	27,829,502
1942.....	43,404	33,157,211

(Exclusive of naval vessels.)

CARGO TONNAGE

The aggregate cargo tonnage in 1946 at all harbours administered by the Board was 27,172,020, as compared with 30,082,947 in 1945. The decrease was 2,910,927 tons, or 10%, due in large part to a reduction in the volume of grain shipments.

The following statement summarizes the volume of water-borne cargo tonnage in 1946 and the four previous years:

CARGO TONNAGE—SUMMARY

Basis: Tons—weight (2,000 lbs) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	6,629,129	10,873,318	17,502,447
1945.....	6,798,404	13,396,284	20,194,688
1944.....	6,349,777	10,261,692	16,611,469
1943.....	6,411,135	8,763,289	15,174,424
1942.....	5,740,458	8,115,814	13,856,272

CARGO TONNAGE—SUMMARY—Concluded

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Domestic—</i>			
1946.....	6,516,001	3,153,572	9,669,573
1945.....	7,257,650	2,630,609	9,888,259
1944.....	5,807,949	2,846,606	8,654,555
1943.....	5,050,093	2,703,887	7,753,980
1942.....	5,962,609	2,270,635	8,233,244
<i>Total—</i>			
1946.....	13,145,130	14,026,890	27,172,020
1945.....	14,056,054	16,026,893	30,082,947
1944.....	12,157,726	13,108,298	25,266,024
1943.....	11,461,228	11,467,176	22,928,404
1942.....	11,703,067	10,386,449	22,089,516

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

REVENUES AND EXPENDITURES

Operating revenues of all units administered by the Board amounted to \$11,521,551, as compared with \$13,395,824 in 1945. The decrease was \$1,874,273, or 14 per cent. Of that amount, over one million dollars represented reduction in earnings of grain elevators but practically all other divisions of harbour facilities, including wharves and piers, sheds, terminal railways, cold storage warehouses and floating and shore equipment showed decreases, thus reflecting adjustments in harbour activity in the first complete post-war year of operations. The two traffic bridges operated by the Board were an exception to this trend with higher revenues.

Expenses of administration, operation and maintenance in 1946 were \$6,466,606, as against \$6,851,249 in 1945, a decrease of \$384,643, or 6 per cent. Cost of administration increased by \$154,000, mainly due to a greater amount being required to pay the Board's contribution to the pension fund for employees under the extended coverage authorized in 1945. The Board paid out \$353,000 for this purpose in 1946, as against \$214,000 in 1945. Operating expenses decreased by \$564,000, consequent upon the reduction in the volume of business, particularly of the grain elevators, but this figure was small proportionately to the decline in revenues. Expenditures on maintenance of properties were \$25,000 more than in 1945, but it was not found possible, under conditions prevailing as to the supply of materials and labour, to complete the year's program of work. Consequently, certain jobs had to be carried over into 1946.

As a result of the severe drop in revenues, tempered by a relatively small reduction in expenses, operating income fell to \$5,054,945 in 1946, as compared with \$6,544,575 in 1945.

After taking into account debits and credits to income, and charging interest and reserve for replacements, the operations for 1946 resulted in a net income deficit of \$4,558,678, as compared with \$3,088,650 in 1945. The increase in the deficit in 1946 was, therefore, \$1,470,028.

Higher costs of operation due to increased wages and prices of materials are seriously affecting the net return from the Board's operations. Services are rendered for the most part under tariffs that have been in effect without change since before the war; in some cases they date from quite a few years prior to the war and are out of line with present-day costs. The operations of such facilities as grain elevators, terminal railways, cold storage warehouses and shore and floating equipment are particularly affected. As an illustration, the net earnings of harbour terminal railways may be cited. Last year there was a loss of \$188,000 on operating account, without any provision for return on capital. In each of the previous ten years, an operating profit was shown, the peak being \$226,000 in 1943. The Board is of the opinion that the mounting costs of operation and

maintenance are such that certain harbour charges require revising and in some cases revision upward as soon as circumstances and regulations permit.

By Order in Council P.C. 188, dated 16th January, 1947, a reduction in interest charges on loans from the Dominion Government to the Board was authorized and a large amount of matured and unpaid interest owing by the Board was cancelled. As the changes become effective 1st February, 1947, they are not reflected in the statements presented in this report. Briefly, the following adjustments were made for the debts of all harbours, (Jacques Cartier Bridge, Montreal, excepted):

1. Interest accrued and unpaid at the date of the formation of the National Harbours Board on 1st October, 1936, was cancelled. Amount cancelled \$29,336,846.
2. Except for loans which had been refunded at $3\frac{1}{2}$ per cent in the meantime, the interest on the debt assumed by the Board at its inception was adjusted downwards to $3\frac{1}{2}$ per cent for the period 1st October, 1936 to 1st February, 1947. Amount of interest written off due to this adjustment, \$15,453,509.
3. From 1st February, 1947, the interest on all loans was reduced from $3\frac{1}{2}$ per cent to $2\frac{3}{4}$ per cent and that rate was fixed to apply until 31st December, 1961. Under the new rate, annual interest on the present debt will be about \$2,600,000 less than was charged in 1946.

The operations of the Board fall into two divisions: first, the seven harbours administered by local commissioners prior to 1936, and secondly, the grain elevators at Prescott and Port Colborne and the harbour of Churchill, which were entrusted to the Board for operation at the beginning of 1937. Consolidated income statements for each of these divisions are set out below.

The seven harbours referred to—Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver—had aggregate operating revenues in 1946 of \$11,113,296, as compared with \$12,840,538 in 1945. The decrease was \$1,727,242, or 13 per cent. Expenses of administration, operation and maintenance decreased from \$6,433,449 in 1945 to \$6,051,075 in 1946, the difference being \$382,374, or 6 per cent. Operating income decreased from \$6,407,089 in 1945 to \$5,062,221 in 1946.

After taking into account income debits and credits and charging interest and reserve for replacements, a net income deficit of \$4,567,703 was shown for these harbours in 1946. The corresponding figure for 1945 was \$3,235,047. The deficit increased, therefore, by \$1,332,656.

The following is a comparative income statement for the seven harbours referred to for each of the years 1942 to 1946 inclusive:—

CONSOLIDATED INCOME STATEMENT
HARBOURS OF HALIFAX, SAINT JOHN, CHICOUTIMI, QUEBEC, THREE RIVERS,
MONTREAL AND VANCOUVER

—	1946	1945	1944	1943	1942
OPERATING REVENUES.....	\$11,113,296	\$12,840,538	\$11,969,838	\$10,522,624	\$9,867,022
OPERATING AND MAINTENANCE EXPENSES	6,051,075	6,433,449	5,662,772	4,996,630	4,924,933
Operating Income.....	5,062,221	6,407,089	6,307,066	5,525,994	4,942,089
MISCELLANEOUS CREDITS (Net).....	111,928	54,497	55,936	26,937	54,050
Total Income.....	5,174,149	6,461,586	6,363,002	5,552,931	4,888,039
INTEREST DUE PUBLIC.....	1,040,497	1,012,703	1,014,307	1,024,431	1,025,796
	4,133,652	5,448,883	5,348,695	4,528,500	3,862,243

CONSOLIDATED INCOME STATEMENT—*Concluded*
HARBOURS OF HALIFAX, SAINT JOHN, CHICOUTIMI, QUEBEC, THREE RIVERS,
MONTREAL AND VANCOUVER

	1946	1945	1944	1943	1942
OTHER INCOME REQUIREMENTS—					
Reserve for Replacements.....	1,938,590	1,934,562	1,940,272	1,969,730	1,964,301
Interest due Government.....	7,062,765	7,049,368	7,037,507	7,013,031	7,001,401
	9,001,355	8,983,930	8,977,779	8,982,761	8,965,702
	4,867,703	3,535,047	3,629,084	4,454,261	5,103,459
Deduct—					
Special Contributions to Deficits (Bridge—Montreal).....	300,000	300,000	300,000	300,000	300,000
Net Income <i>Deficit</i>	\$4,567,703	\$3,235,047	\$3,329,084	\$4,154,261	\$4,803,459

Consolidated income statement for the grain elevators at Prescott and Port Colborne and the harbour of Churchill showed operating revenues of \$408,255 in 1946, as compared with \$555,285 in the previous year. Operating and maintenance expenses were \$415,531 in 1946, as against \$417,799 in 1945. The surplus of revenues over expenditures was \$9,025, as compared with \$146,397 in the previous year. The quantity of grain handled at Prescott and Port Colborne was considerably less than in the year preceding and storage earnings were lower. There was more activity at Churchill with the resumption of grain shipments through the port on a moderate scale, but owing to the loss of storage revenues, the financial outcome was not so good as in 1945. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1946, showing also comparative figures for the preceding four years:

CONSOLIDATED INCOME STATEMENT
PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1946	1945	1944	1943	1942
Operating Revenues.....	\$408,255	\$555,285	\$568,481	\$338,457	\$549,782
Operating and Maintenance Expenses....	415,531	417,799	336,317	280,944	294,848
	7,276	137,486	232,164	57,513	254,934
Other Debits and Credits (Net).....	16,301	8,911	703	10,545	590
Net Income Surplus.....	\$9,025	\$146,397	\$231,461	\$68,058	\$255,524

The following statistical record is submitted showing operating revenues, operating expenses and operating income of each unit under the administration of the Board, together with combined totals for all units:

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Halifax.....	1935	500,936	504,851	3,915*
	1936	510,179	433,040	77,139
	1937	581,740	429,472	152,268
	1938	599,856	420,765	179,091
	1939	744,470	420,841	323,629
	1940	1,225,787	547,285	678,502
	1941	1,593,478	803,052	790,426
	1942	1,832,318	889,120	943,198
	1943	1,848,330	1,000,664	847,666
	1944	1,801,217	1,116,104	685,113
	1945	1,653,732	1,033,935	619,797
	1946	1,243,649	834,713	408,936

* Deficit.

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Saint John.....	1935	322,954	272,860	50,094
	1936	367,448	256,380	111,068
	1937	435,952	240,302	195,650
	1938	445,726	242,544	203,182
	1939	466,004	237,882	228,122
	1940	661,359	258,901	402,458
	1941	776,066	264,971	511,095
	1942	1,133,509	319,114	814,395
	1943	1,492,579	440,134	1,052,445
	1944	1,423,537	512,482	911,055
	1945	1,458,507	494,698	963,809
	1946	933,497	459,627	473,870
Chicoutimi.....	1935	13,328	20,401	7,073*
	1936	21,307	18,639	2,668
	1937	21,750	14,361	7,389
	1938	21,254	13,374	7,880
	1939	20,414	14,078	6,336
	1940	34,139	15,247	18,892
	1941	30,339	16,100	14,239
	1942	30,067	16,887	13,180
	1943	32,016	25,880	6,136
	1944	31,923	18,402	13,521
	1945	30,723	20,719	10,004
	1946	32,666	17,178	15,488
Quebec.....	1935	466,474	781,758	315,284*
	1936	482,542	673,838	191,296*
	1937	447,780	572,334	124,554*
	1938	488,013	537,316	49,303*
	1939	469,424	492,203	22,779*
	1940	684,988	504,078	180,910
	1941	710,867	583,546	127,321
	1942	620,030	760,012	139,982*
	1943	762,644	643,458	119,186
	1944	913,705	669,903	243,802
	1945	944,190	797,714	146,476
	1946	672,264	678,427	6,163*
Three Rivers.....	1935	93,076	47,837	45,239
	1936	122,347	32,191	90,156
	1937	172,309	18,023	154,286
	1938	191,881	33,242	158,639
	1939	165,682	18,147	147,535
	1940	237,924	44,905	193,019
	1941	243,911	38,930	204,981
	1942	185,738	22,603	163,135
	1943	199,023	18,011	181,012
	1944	224,933	55,489	169,444
	1945	294,648	32,165	262,483
	1946	229,882	29,822	200,060
Montreal.....	1935	4,032,770	2,394,967	1,637,803
	1936	4,238,836	2,209,179	2,029,657
	1937	4,377,350	2,136,800	2,240,550
	1938	4,917,837	2,095,656	2,822,181
	1939	4,469,097	1,987,928	2,481,169
	1940	5,117,818	2,116,681	3,001,137
	1941	5,174,415	2,214,748	2,959,667
	1942	3,797,440	2,167,596	1,629,844
	1943	3,786,305	2,039,507	1,746,798
	1944	4,698,030	2,212,488	2,485,542
	1945	5,484,859	2,928,685	2,556,174
	1946	4,897,323	2,937,201	1,960,122
Jacques Cartier Bridge—(Montreal).....	1935	347,698	145,439	202,259
	1936	354,867	91,861	263,006
	1937	423,785	84,550	339,235
	1938	445,945	91,785	354,160
	1939	463,124	91,266	371,858
	1940	474,270	103,167	371,103
	1941	589,768	105,870	483,898
	1942	537,406	102,903	434,503
	1943	520,120	97,020	423,100
	1944	600,237	99,098	501,139
	1945	604,629	105,422	499,207
	1946	730,701	113,337	617,364

* Deficit

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Prescott.....	1936	173,671	92,715	80,956
	1937	57,257	81,888	24,631*
	1938	68,989	75,204	6,215*
	1939	242,741	74,778	167,963
	1940	284,271	93,384	190,887
	1941	215,606	86,126	129,480
	1942	233,718	82,399	151,319
	1943	112,691	74,418	38,273
	1944	257,750	110,575	147,175
	1945	195,723	119,422	76,301
	1946	111,911	101,812	10,099
Port Colborne.....	1936	190,723	114,495	76,228
	1937	126,457	99,546	26,911
	1938	249,622	133,319	116,303
	1939	255,659	119,207	136,452
	1940	212,648	91,660	120,988
	1941	164,167	79,937	84,230
	1942	171,280	73,100	98,180
	1943	129,905	74,153	55,752
	1944	239,703	97,106	142,597
	1945	292,777	145,711	147,066
	1946	223,631	140,494	83,137
Churchill.....	1936	84,443	280,458	196,015*
	1937	6,418	148,331	141,913*
	1938	83,867	136,491	62,624*
	1939	108,264	154,672	46,408*
	1940	70,518	110,184	39,666*
	1941	70,267	102,499	32,232*
	1942	144,782	139,348	5,434
	1943	95,860	132,372	36,512*
	1944	71,028	128,635	57,607*
	1945	66,785	152,666	85,881*
	1946	72,713	173,225	100,512*
Vancouver.....	1935	1,537,044	736,554	800,490
	1936	1,792,980	718,997	1,073,983
	1937	1,636,648	708,830	927,818
	1938	1,453,905	566,397	887,508
	1939	1,578,036	590,743	987,293
	1940	1,480,904	568,853	912,051
	1941	1,476,586	568,309	908,277
	1942	1,568,977	588,502	980,475
	1943	1,736,959	670,930	1,066,029
	1944	2,138,666	916,767	1,221,899
	1945	2,199,550	956,434	1,243,116
	1946	2,184,238	918,664	1,265,574
Second Narrows Bridge—(Vancouver).....	1935	113,168	71,083	42,085
	1936	140,089	60,586	79,503
	1937	164,899	62,611	102,288
	1938	178,039	62,630	115,409
	1939	110,225	57,074	53,151
	1940	117,569	52,480	65,089
	1941	143,955	55,201	88,754
	1942	161,535	58,193	103,342
	1943	144,645	61,024	83,621
	1944	137,585	62,037	75,548
	1945	169,701	63,677	106,024
	1946	189,076	61,925	127,151
All Units.....	1935	†7,427,448	4,975,750	2,451,698
	1936	8,479,432	4,982,379	3,497,053
	1937	8,452,355	4,598,442	3,853,913
	1938	9,144,935	4,408,724	4,736,211
	1939	9,093,140	4,253,821	4,834,319
	1940	10,602,199	4,506,827	6,095,372
	1941	11,189,428	4,919,289	6,270,139
	1942	10,416,805	5,219,781	5,197,024
	1943	10,861,081	5,277,574	5,583,507
	1944	12,538,318	5,999,089	6,539,229
	1945	13,395,824	6,851,249	6,544,575
	1946	11,521,551	6,466,606	5,054,945

* Deficit. † Does not include Prescott Elevator, Port Colborne Elevator and Churchill Harbour

CAPITAL EXPENDITURES

Capital expenditures during 1946 amounted to \$506,912. An additional sum of \$63,670, charged to reserves, was expended on replacements, bringing the total outlay to \$570,582, as follows:

<i>Capital—</i>	
Halifax.....	\$ 212,320
Saint John.....	5,600
Quebec.....	16,257
Three Rivers.....	1,550
Montreal.....	223,432
Port Colborne.....	819
Churchill.....	3,562
Vancouver.....	43,372
	<hr/>
	\$ 506,912
<i>Replacement of Physical Assets—</i>	
Montreal.....	\$ 60,360
Vancouver.....	3,310
	<hr/>
	63,670
	<hr/>
	\$ 570,582

Of the expenditures charged to capital, \$320,706 was financed by advances from the Dominion Treasury with interest at $3\frac{1}{2}$ per cent (since reduced to $2\frac{3}{4}$ per cent) and the balance of \$186,206 was provided from a special Demobilization and Reconversion vote.

The book value of fixed assets as at December 1, 1946 was \$225,027,271.

Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

The following statement sets out the various amounts required from the Dominion treasury in respect of the Board's operations in 1946, and also the amounts paid to the treasury from Board funds:

*Amounts Required from Dominion Treasury:**Advances:*

Capital expenditures.....	\$ 506,912
Retirement of debentures, Saint John.....	240,097

Deficits:

Jacques Cartier Bridge.....	423,850
Harbour of Churchill.....	100,650
Harbour of Quebec.....	13,951
	<hr/>
	\$ 1,285,460

Amounts Paid to Dominion Treasury:

Interest on advances.....	\$ 2,750,000
<i>Surplus earnings:</i>	
Prescott Elevator (1945).....	82,778
Port Colborne Elevator (1945).....	149,837
Repayment of advances.....	72,346
	<hr/>
	\$ 3,054,961

Reserves in the form of investments or cash balances on deposit with the Receiver General as at 31st December, 1946 had a book value of \$23,873,696, the net increase during the year being \$2,871,510. Investments had a book value of \$21,797,998 and a market value of \$22,826,009. These reserves have been set aside from earnings for the replacement of physical assets (as from 1st January, 1936) and for insurance and workmen's compensation funds. They also include the Board's pension fund.

During the year debentures of Vancouver harbour amounting to \$1,230,000, bearing interest at 5 per cent per annum matured and certificates of indebtedness, bearing interest at $3\frac{1}{2}$ per cent were issued to the Government in substitution therefor.

As provided by Section 31 of The National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, supplemented by traffic statistics and information respecting works carried on during the year, are appended to this report.

The Auditor General of Canada has carried on a continuous audit of the accounts.

The Board records, with regret, the retirement, effective 1st July, 1946, of Alex Gray, M.B.E., from the position of Port Manager and Chief Engineer of the harbour of Saint John. Mr. Gray was associated with the harbour for a period of 29 years, and its chief executive officer for 19 years, and in his various capacities rendered competent and devoted public service.

Respectfully submitted,

R. K. SMITH,
Chairman.

J. E. ST. LAURENT,
Vice-Chairman.

B. J. ROBERTS.

F. W. RIDDELL,
Executive Secretary.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Harbour General—

Harbour Dues.....	\$ 196,762 38	
Cargo Rates.....	605,767 17	
Miscellaneous.....	493,431 32	
	<u>\$ 1,295,960 87</u>	

Wharves and Piers—

Top Wharfage.....	2,840,272 06	
Dockage.....	1,028,773 79	
Miscellaneous.....	457,631 55	
	<u>4,326,677 40</u>	

Permanent Sheds—

Shed Rentals.....	431,297 43	
Storage.....	237,192 19	
Miscellaneous.....	50,710 82	
	<u>719,200 44</u>	

Shed Hoists.....

	31,845 96	
Railway System.....	848,218 97	

Grain Elevator System—

Elevation.....	1,071,076 85	
Storage.....	389,403 10	
Rentals.....	377,724 98	
Miscellaneous.....	66,385 25	
	<u>1,904,590 18</u>	

Cold Storage System—

Storage.....	562,574 16	
Miscellaneous.....	162,227 96	
	<u>724,802 12</u>	

Miscellaneous—Outsiders.....	750,478 52	
Bridge Tolls and Sundry Receipts.....	919,776 85	
	<u>\$11,521,551 31</u>	

OPERATING EXPENSES—

Administration.....	988,679 67	
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Operation and Maintenance—

Harbour Dredging.....	147,352 95	
Harbour General.....	896,091 19	
Vehicular Bridges.....	4,630 85	
Roads, Fences and Boundaries.....	54,114 62	
Sewers and Drains.....	8,218 18	
Wharves and Piers.....	274,171 82	
Permanent Sheds.....	484,496 11	
Shed Hoists.....	30,629 29	
Railway System.....	1,039,689 93	
Grain Elevator System.....	1,292,869 55	
Cold Storage System.....	611,242 80	
Miscellaneous Outsiders.....	490,319 02	
Bridges.....	144,100 42	
	<u>5,477,926 73</u>	
		6,466,606 40

Operating Income.....		5,054,944 91
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INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....	622,412 48	
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MISCELLANEOUS INCOME CREDITS.....	227,613 21	
	<u>850,025 69</u>	

Total Income.....		5,904,970 60
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MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	621,277 24	
Reserve for Bad Debts.....	778 14	
Miscellaneous Income Charges.....	35,984 94	
Trustees' Fees, Commissions, Bond Discount, etc.....	63,397 51	
	<u>721,437 83</u>	

Income Available for Interest due Public.....	5,183,532 77	
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INTEREST ON DEBT TO THE PUBLIC.....	1,040,497 08	
	<u>4,143,035 69</u>	

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,772,435 00	
Reserve for Depreciation.....	166,155 13	
Interest due Dominion Government.....	7,063,123 84	
	<u>9,001,713 97</u>	
		4,858,678 28

Deduct:

Special Contributions to Deficit (Bridge-Montreal).....	300,000 00	
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Net Income Deficit.....	\$ 4,558,678 28	
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NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,270,896 94
Real Estate.....	12,760,106 98
Vehicular Bridges.....	300,573 32
Roads, Fences and Boundaries.....	1,760,538 47
Sewers and Drains.....	663,600 13
Miscellaneous Structures.....	751,136 35
Wharves and Piers.....	89,490,536 43
Permanent Sheds.....	19,713,510 07
Shed Hoists and Electric Cranes.....	248,972 88
Railway System.....	7,004,860 79
Grain Elevator System.....	41,908,269 11
Cold Storage System.....	5,723,480 93
Office Furniture and Appliances.....	144,625 02
Harbour Buildings.....	744,906 89
Central Heating Plants.....	148,378 90
Harbour Shops.....	333,704 96
Electric Power System.....	1,068,860 68
Water Supply System.....	744,339 28
Floating Equipment.....	2,055,401 61
Shore Equipment.....	858,978 02
Miscellaneous Small Plant.....	565,161 55
Engineering—General Surveys.....	606,402 98
Works under Construction.....	599,275 85
Sundry Expenditure—Undistributed.....	5,395,832 05
Bridge Construction and Right-of-Way, etc.....	19,164,920 77
	<hr/> \$225,027,270 96

CURRENT—

Cash.....	2,548,969 63
Accounts Receivable.....	1,828,813 35
Advances due on Capital Account.....	37,473 95
Advances due on Deficit Account.....	30,032 55
Stores on Hand.....	515,646 39
Accrued Revenue.....	144,470 55
Other Assets.....	18,025 31
	<hr/> 5,123,431 73

INVESTMENTS.....	44,728 64
SECURITY DEPOSITS.....	160,637 57
REPLACEMENT FUND.....	20,795,627 08
FIRE AND GENERAL INSURANCE FUND.....	1,170,952 09
GENERAL WORKMEN'S COMPENSATION FUND.....	380,537 37
PENSION FUND.....	1,526,578 97
MISCELLANEOUS FUNDS.....	162,409 54
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	201,988 02
PREPAID CHARGES.....	18,081 61
DEFERRED DEBITS.....	55,300 32
	<hr/> \$254,667,543 90

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1946

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....		\$20,039,182 35
DOMINION GOVERNMENT ACCOUNT—		
Loans and Advances (Interest Bearing).....	\$ 157,427,371 84	
Expenditure under Appropriations.....	51,265,250 55	
Government Loans Applied for—Contra.....	37,473 95	
		<hr/> \$208,730,096 34
ACCOUNTS PAYABLE—CONSTRUCTION.....		40,045 91
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		25,477 34
CURRENT—		
Accounts Payable.....	413,099 72	
Salaries and Wages Payable.....	96,946 08	
Matured Interest Unpaid—		
Due Public.....	36,883 39	
Due Dominion Government.....	69,454,922 69	
Contractors' Holdbacks—Maintenance.....	11,205 02	
Accrued Interest due Public.....	177,088 33	
Unclaimed Wages.....	1,914 06	
Matured Debentures due Public.....	8,412 84	
Other Current Liabilities.....	4,648 97	
		<hr/> 70,205,121 10
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		160,637 57
RESERVES—		
Replacement.....	22,618,297 86	
Fire and General Insurance.....	1,170,952 09	
General Workmen's Compensation.....	380,537 37	
Pensions.....	1,526,578 97	
Miscellaneous.....	2,556,234 39	
		<hr/> 28,252,600 68
DEFERRED CREDITS.....		205,500 64
		<hr/> 327,658,661 93
SURPLUS AND DEFICIT ACCOUNT—		
Deficit as at December 31, 1945.....	68,144,600 90	
Adjustments in 1946.....	287,838 85	
Net Income Deficit for 1946.....	4,558,678 28	
		<hr/> 72,991,118 03
		<hr/> <hr/> \$254,667,543 90

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates seven main piers and wharves having about 16,000 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,100,000 square feet. In addition, the Board operates a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,655,350 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	2,409	3,803,472
1945.....	3,160	7,084,222
1944.....	3,700	8,664,488
1943.....	4,430	10,668,407
1942.....	5,644	14,909,468
<i>Departures—</i>		
1946.....	2,414	3,811,116
1945.....	3,219	7,306,431
1944.....	3,630	8,454,027
1943.....	4,444	10,719,497
1942.....	5,656	15,029,198

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparison for 1945.

	1946		1945	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1,153	3,672,538	2,057	6,950,043
Coastal or inland commercial (including fishery).....	1,227	111,536	1,078	110,955
Other.....	29	19,398	25	23,224
Total.....	2,409	3,803,472	3,160	7,084,222
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1,124	3,650,729	2,122	7,179,911
Coastal or inland commercial (including fishery).....	1,259	127,978	1,072	103,296
Other.....	31	32,409	25	23,224
Total.....	2,414	3,811,116	3,219	7,306,431

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1946, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	1,439,930	1,388,881	2,828,811
1945.....	2,476,645	2,683,160	5,159,805
1944.....	2,280,462	3,472,020	5,752,482
1943.....	2,377,871	3,364,989	5,742,860
1942.....	1,997,414	3,012,149	5,009,563
<i>Domestic—</i>			
1946.....	298,512	258,389	556,901
1945.....	324,232	299,007	623,239
1944.....	307,291	198,517	505,808
1943.....	280,258	127,917	408,175
1942.....	285,344	90,915	376,259
<i>Total—</i>			
1946.....	1,738,442	1,647,270	3,385,712
1945.....	2,800,877	2,982,167	5,783,044
1944.....	2,587,753	3,670,537	6,258,290
1943.....	2,658,129	3,492,906	6,151,035
1942.....	2,282,758	3,103,064	5,385,822

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1946, with comparison for 1945.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Petroleum Oil, crude.....	1,007,252		1,007,252	1,152,996
Petroleum Oil, fuel.....	60,538	252,032	312,570	1,677,121
Coal, bituminous.....	264,401	406	264,807	488,887
Gasoline.....	94,322	134,327	228,649	167,015
Grain.....	4,916	216,535	221,451	454,325
Flour, wheat.....	23	180,697	180,720	274,247
Motor Vehicles and Parts.....	22,064	81,944	104,008	133,809
Logs, Masts, Piling, Pit-props, Poles, Posts, Spars and Ties (railway).....	32	95,524	95,556	40,984
Lumber (Planks, Boards and Flooring) and Square Timber.....	30	88,813	88,843	96,505
Meats, canned, cured, prepared or preserved.....	206	58,305	58,511	165,667
Fish (including Shell-fish), fresh or frozen.....	50,585	4,430	55,015	39,312
Sugar, raw.....	53,317		53,317	139,109
Fish (including Shell-fish), dried, pickled, salted or smoked.....	13,828	39,357	53,185	62,306
Barytes.....	9,255	30,168	39,423	10,958
Apples.....		36,653	36,653	3,443
Cement, common or portland.....	26,996	6,622	33,618	29,762
Grain Products (Mill Products except Wheat Flour).....		33,152	33,152	31,897
Kerosene.....	29,027	3,798	32,825	
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....		30,441	30,441	98
Iron or Steel Rails and Fastenings.....		27,155	27,155	4,760
Houses, prefabricated.....		25,155	25,155	18
Coal, anthracite.....	25,037	18	25,055	2,254
Wood-pulp.....		22,086	22,086	124,289

CARGO TONNAGE—COMMODITIES—*Concluded*
Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Potatoes.....		19,447	19,447	12,179
Salt.....	13,234	1,956	15,190	12,551
Meats, chilled, fresh or frozen.....	88	13,055	13,143	40,912
Beverages, alcoholic.....	4,765	7,811	12,576	10,689
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....	33	11,998	12,031	12,793
Fertilizers and Fertilizer Materials.....	46	11,617	11,663	9,601
All Goods not otherwise specified.....	58,447	213,768	272,215	584,557
Total.....	1,738,442	1,647,270	3,385,712	5,783,044

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1946, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1946.....	73,252	10,469	83,721
1945.....	20,782	8,571	29,353
1944.....	9,767	3,058	12,825
1943.....	11,354	3,227	14,581
1942.....	9,702	4,169	13,871
<i>Coastwise—</i>			
1946.....			
1945.....			
1944.....			
1943.....			
1942.....			
<i>Total—</i>			
1946.....	73,252	10,469	83,721
1945.....	20,782	8,571	29,353
1944.....	9,767	3,058	12,825
1943.....	11,354	3,227	14,581
1942.....	9,702	4,169	13,871

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....	301,219	6,573,017	6,874,236
1945.....	110,484	14,981,004	15,091,488
1944.....	218,514	25,463,731	25,682,245
1943.....	619,890	22,791,133	23,411,023
1942.....	1,783,534	34,129,023	35,912,557
<i>Via rail—</i>			
1946.....	6,066,933	134,162	6,201,095
1945.....	14,667,698	1,000	14,668,698
1944.....	25,342,704	66,396	25,409,100
1943.....	21,568,338	2,000	21,570,338
1942.....	33,012,638	3,571	33,016,209

GRAIN ELEVATORS—*Concluded*

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via other—</i>			
1946.....		142,077	142,077
1945.....		69,634	69,634
1944.....		96,964	96,964
1943.....		451,228	451,228
1942.....		199,267	199,267
<i>Total—</i>			
1946.....	6,368,152	6,849,256	13,217,408
1945.....	14,778,182	15,051,638	29,829,820
1944.....	25,561,218	25,627,091	51,188,309
1943.....	22,188,228	23,244,361	45,432,589
1942.....	34,796,172	34,331,861	69,128,033

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$153,836. The main items were repairs to water supply system, repairs to doors and floors of sheds 20, 21, 22 and 23, repairs to floor of shed 28, repairs to steel siding and painting pier "B" and pier 2 sheds, renewal of gutters on sheds 23 and 28, renewal of part of the timber platform at the Immigration annex, repairs to roofs of grain elevator sub-station, gallery No. 2, shed 28 and Immigration annex, renewal of smokestack at pier 2 boilerhouse, renewal of grain spout and part of lofter leg casings on the marine leg, renewal of timber deck of icing platform at the cold storage plant, and painting connecting gallery between cold storage plant and annex.

One fire boat and shore based fire protection equipment were maintained in good operating condition, until removed from service in October. Funds for this purpose were provided out of Demobilization and Reconversion appropriation.

CAPITAL WORKS

Expenditure on capital account during the year amounted to \$212,224. Of this amount, \$26,018 was for ordinary harbour installations financed from interest bearing advances to the Board, and \$186,206 was for work authorized under and chargeable to Demobilization and Reconversion appropriation. The following constituted the principal items:

Resurfacing Pier 9.—A portion of the surface of pier 9 was renewed with crushed rock and provision made for proper drainage. The work was done by the Board's forces.

Minor Capital Expenditures.—These included the purchase of a bulldozer, an electric welding machine, a tractor crane, a unit heater and two lift trucks for the cold storage plant.

Reconstruction of Shed 21.—The work of reconstruction of the interior of shed 21, a contract for which was awarded in 1945, was continued during 1946. Except for a few minor items, the work was completed at the end of the year (1946 expenditure charged to Demobilization and Reconversion appropriation).

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,243,649, as compared with \$1,653,732 in 1945, the decrease being \$410,083. The revenue figures reflect the reduction in commodity tonnage passing over the Board's facilities in the first complete post-war year. It is notable, however, that the year's revenues were still more than

double those obtained before the war (1938). Operating and maintenance expenses were \$834,893, as against \$1,033,935 in the previous year, the reduction being \$199,042.

After charging interest due the Dominion Government and reserve for replacements, the year's operations resulted in a net income deficit of \$295,655, as compared with a deficit of \$21,681 in 1945.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES

Harbour General			
Harbour Dues.....	\$	31,203 48	
Miscellaneous.....		8,303 54	
			\$ 39,507 02
Wharves and Piers			
Top Wharfrage.....		423,343 00	
Dockage.....		205,925 96	
Miscellaneous.....		41,778 08	
			671,047 04
Permanent Sheds			
Shed Rentals.....		51,531 44	
Storage.....		22,795 73	
Miscellaneous.....		27,346 82	
			101,673 99
Grain Elevator System			
Elevation.....		34,223 03	
Storage.....		9,722 39	
Miscellaneous.....		3,323 92	
			47,269 34
Cold Storage System			
Storage.....		214,030 21	
Miscellaneous.....		94,076 37	
			308,106 58
Miscellaneous—Outsiders.....			76,045 22
			\$ 1,243,649 19

OPERATING EXPENSES

Administration.....			91,729 59
Operation and Maintenance			
Harbour General.....		130,236 08	
Roads, Fences and Boundaries.....		3,447 29	
Sewers and Drains.....		1,545 94	
Wharves and Piers.....		50,284 48	
Permanent Sheds.....		177,542 14	
Grain Elevator System.....		94,896 85	
Cold Storage System.....		231,109 97	
Miscellaneous—Outsiders.....		54,101 06	
			743,163 81
			834,893 40
Operating Income.....			408,755 79

INCOME RECEIVED FROM RESERVE FUNDS.....		68,608 50	
MISCELLANEOUS INCOME CREDITS.....		75,328 06	
			143,936 56
Total Income.....			552,692 35

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....		68,608 50	
Miscellaneous Income Charges.....		59 39	
			68,667 89
			484,024 46

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....		200,000 00	
Interest due Dominion Government.....		579,679 80	
			779,679 80
Net Income Deficit.....	\$		<u><u>295,655 34</u></u>

Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS

FIXED—	
Harbour Dredging.....	\$ 160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	238,737 01
Sewers and Drains.....	60,611 27
Miscellaneous Structures.....	28,387 08
Wharves and Piers.....	16,934,207 12
Permanent Sheds.....	4,627,678 70
Grain Elevator System.....	2,541,031 10
Cold Storage System.....	1,921,456 41
Office Furniture and Appliances.....	32,695 87
Central Heating Plants.....	65,316 59
Electric Power System.....	8,409 40
Water Supply System.....	99,339 32
Floating Equipment.....	58,030 98
Shore Equipment.....	62,622 11
Miscellaneous Small Plant.....	65,619 32
Engineering—General Surveys.....	473,501 67
Works under Construction.....	463,069 13
	<u>\$28,376 230,05</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 312,720 25
Cash—On Hand.....	327 09
Accounts Receivable.....	\$ 158,773 89
Less—Reserve for Bad Debts.....	638 63
Advances due on Capital Account.....	
Stores on Hand.....	158,135 26
Accrued Revenue.....	32,993 40
Other Assets.....	7,337 82
	<u>128 38</u>
	521,626 25

SECURITY DEPOSITS.....	
REPLACEMENT FUND.....	27,026 25
FIRE AND GENERAL INSURANCE FUND.....	2,441,200 97
MISCELLANEOUS FUNDS.....	110,385 41
PREPAID CHARGES.....	5,197 50
DEFERRED DEBITS.....	252 90
	<u>6,767 33</u>
	\$31,488,685 96

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$12,509,579 02
Expenditure under Appropriations.....	16,270,084 98
Government Loans Applied for—Contra.....	9,984 05
	<u>\$28,789,648 05</u>
ACCOUNTS PAYABLE—Construction.....	
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	12,666 32
	25,354 50
CURRENT—	
Accounts Payable.....	47,379 81
Salaries and Wages Payable.....	15,107 59
Matured Interest Unpaid—	
Due Public.....	697 50
Due Dominion Government.....	3,801,143 43
Unclaimed Wages.....	893 21
Matured Debentures due Public.....	4,500 00
	<u>3,869,024 04</u>
CONTRACTORS' SECURITY DEPOSITS.....	27,026 25
RESERVES—	
Replacement.....	2,441,613 98
Fire and General Insurance.....	110,385 41
	<u>2,551,999 39</u>
DEFERRED CREDITS.....	3,111 76
	<u>35,278,830 31</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1945.....	3,446,850 63
Add—ADJUSTMENTS IN 1946.....	47,638 38
Net Income Deficit for 1946.....	295,655 34
	<u>\$,790,144 35</u>
	<u>\$31,488,685 96</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 9 main wharves and piers having some 12,700 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water, and 18 transit sheds, including two frost-proof sheds, with an aggregate floor space of about 812,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to nine of the berths by over two miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. Two locomotive cranes and 15-ton and 65-ton floating cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	1,551	2,129,154
1945.....	1,496	2,320,772
1944.....	1,478	2,185,088
1943.....	1,702	2,311,881
1942.....	1,716	2,048,907
<i>Departures—</i>		
1946.....	1,533	2,095,997
1945.....	1,501	2,327,090
1944.....	1,467	2,162,055
1943.....	1,688	2,276,805
1942.....	1,725	2,090,167

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparison for 1945.

	1946		1945	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	504	1,457,879	622	1,657,073
Coastal or inland commercial (including fishery).....	1,005	658,614	842	656,319
Other.....	42	12,661	32	7,380
Total.....	1,551	2,129,154	1,496	2,320,772
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	507	1,431,035	634	1,666,407
Coastal or inland commercial (including fishery).....	989	652,565	833	653,138
Other.....	37	12,397	34	7,545
Total.....	1,533	2,095,997	1,501	2,327,090

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1946, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	547,804	1,777,285	2,325,089
1945.....	606,586	2,721,266	3,327,852
1944.....	510,576	2,658,481	3,169,057
1943.....	517,091	3,227,429	3,744,520
1942.....	368,340	2,666,106	3,034,446
<i>Domestic—</i>			
1946.....	425,973	91,626	517,599
1945.....	442,756	79,743	522,499
1944.....	396,455	79,867	476,322
1943.....	382,062	85,025	467,087
1942.....	359,406	121,198	480,604
<i>Total—</i>			
1946.....	973,777	1,868,911	2,842,688
1945.....	1,049,342	2,801,009	3,850,351
1944.....	907,031	2,738,348	3,645,379
1943.....	899,153	3,312,454	4,211,607
1942.....	727,746	2,787,304	3,515,050

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1946, with comparison for 1945.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....		476,848	476,848	861,466
Flour, wheat.....	30	300,556	300,586	339,313
Coal, bituminous.....	278,805	1,916	280,721	338,758
Lumber (Planks, Boards and Flooring) and Square Timber.....	8,658	155,417	164,075	150,459
Sugar, raw.....	140,279		140,279	152,568
Motor Vehicles and Parts.....	34,868	100,889	135,757	258,432
Paper, newsprint.....		106,186	106,186	104,192
Gasoline.....	78,360	12,546	90,906	56,368
Petroleum Oil, fuel.....	80,941	4,121	85,062	97,091
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (Railway).....	3,969	78,175	82,144	32,135
Potatoes.....	1,208	52,245	53,453	39,212
Meats, canned, cured, prepared or preserved.....		40,380	40,380	45,747
Wood-pulp.....		36,531	36,531	41,111
Fertilizers and Fertilizer Materials.....	31,232	5,252	36,484	36,269
Eggs, in shell.....		31,185	31,185	30,172
Fruits, fresh, not otherwise specified.....	23,225	7,674	30,899	3,569
Meats, chilled, fresh or frozen.....		30,518	30,518	27,554
Coal, anthracite.....	30,023	263	30,286	20,538
Locomotives and Parts.....	5	22,153	22,158	38,722
Copper, refined, in bars, billets, cakes, cathodes, in- gots or slabs.....		19,695	19,695	6,970
Jute and Jute Manufactures.....	19,215	78	19,293	40,059
Lead and Lead Manufactures.....		19,189	19,189	200

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Paper, not otherwise specified.....	545	16,675	17,220	26,269
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....	59	16,076	16,135	12,183
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	542	15,518	16,060	4,826
Fruits, canned or preserved.....	15,308	224	15,532	391
Machinery and Parts (except Agricultural).....	7,048	8,229	15,277	14,242
Nuts.....	13,639	39	13,678	5,893
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	510	13,103	13,613	2,854
Cordage, Rope and Twine (except Wire Rope).....	13,508	.....	13,508	237
Beverages, alcoholic.....	7,533	5,785	13,318	18,446
Pulpboard (except Wallboard).....	.....	12,673	12,673	14,477
Tea.....	12,608	46	12,654	51,173
Asbestos and Asbestos Manufactures.....	580	10,844	11,424	13,875
Woollen Manufactures not otherwise specified.....	11,284	82	11,366	4,671
Cocoa Beans, Cocoa Preparations and Chocolate (except Confectionery).....	11,182	39	11,221	17,555
Glass and Glass Manufactures.....	9,496	1,706	11,202	6,631
Fruit and Fruit Products (including Juices) not otherwise specified.....	4,772	5,787	10,559	6,122
Ferro-alloys.....	.....	9,968	9,968	12,895
Sulphur.....	9,787	30	9,817	1,225
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	88	9,148	9,236	6,661
Railway Equipment not otherwise specified.....	.....	8,882	8,882	76,821
Iron or Steel Rails and Fastenings.....	.....	8,611	8,611	13,659
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	.....	8,483	8,483	10,513
Nickel and Nickel Manufactures.....	290	8,164	8,454	8,363
Salt.....	3,662	3,767	7,429	12,044
Sugar, refined.....	5,197	2,137	7,334	4,340
Iron or Steel Manufactures not otherwise specified.....	1,489	5,716	7,205	72,015
Molasses.....	7,031	56	7,087	18,038
Grain Products (Mill Products except Wheat Flour).....	.....	6,592	6,592	44,613
Foodstuffs not otherwise specified.....	4,971	1,456	6,427	25,180
Prefabricated Houses.....	.....	5,892	5,892	.....
Seeds.....	300	5,400	5,700	1,914
Cotton Manufactures not otherwise specified.....	4,631	790	5,421	14,245
Copper and Copper Manufactures not otherwise specified.....	36	5,120	5,156	5,284
Tobacco and Tobacco Manufactures.....	83	4,738	4,821	10,195
Calcium Carbide.....	18	4,295	4,313	5,831
Wooden Manufactures not otherwise specified.....	215	4,019	4,234	2,042
Rubber Manufactures.....	590	3,612	4,202	14,527
Aluminum Manufactures not otherwise specified.....	256	3,850	4,106	5,525
Wood, unmanufactured, not otherwise specified.....	.....	4,029	4,029	5,812
All Goods not otherwise specified.....	95,701	145,513	241,214	557,859
TOTAL.....	973,777	1,868,911	2,842,688	3,850,351

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1946, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1946.....	706	540	1,246
1945.....	298	301	599
1944.....	379	181	560
1943.....	61	374	435
1942.....	1,033	378	1,411
<i>Coastwise—</i>			
1946.....	57,537	54,905	112,442
1945.....	93,111	83,431	176,542
1944.....	73,640	82,814	156,454
1943.....	68,510	84,677	153,187
1942.....	40,892	45,125	86,017
<i>Total—</i>			
1946.....	58,243	55,445	113,688
1945.....	93,409	83,732	177,141
1944.....	74,019	82,995	157,014
1943.....	68,571	85,051	153,622
1942.....	41,925	45,503	87,428

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....	15,924,932	15,924,932	15,924,932
1945.....	29,378,627	29,378,627	29,378,627
1944.....	25,593,427	25,593,427	25,593,427
1943.....	36,817,001	36,817,001	36,817,001
1942.....	32,838,999	32,838,999	32,838,999
<i>Via rail—</i>			
1946.....	15,150,627	225,236	15,375,863
1945.....	29,608,084	251,808	29,859,892
1944.....	27,009,543	669,057	27,678,600
1943.....	35,900,274	301,758	36,202,032
1942.....	34,011,161	615,160	34,626,321
<i>Via other—</i>			
1946.....		144	144
1945.....		233	233
1944.....			
1943.....			
1942.....			
<i>Total—</i>			
1946.....	15,150,627	16,150,312	31,300,939
1945.....	29,608,084	29,630,668	59,238,752
1944.....	27,009,543	26,262,484	53,272,027
1943.....	35,900,274	37,118,759	73,019,033
1942.....	34,011,161	33,454,159	67,465,320

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$179,926. The main items were dredging eleven berths, and the central areas of three slips, to a minimum depth of 30 feet at extreme low tide, refacing a portion of concrete wharf wall at berth 12, redecking the timber approach platform at Long wharf, and a portion of the east Sydney Market wharf, transferring three low type cargo doors in sheds 9, 10 and 11 to other locations in shed 9, painting sheds 9, 10 and 11, painting a portion of the grain galleries, and making major repairs to boiler of floating crane "Glenbuckie".

CAPITAL WORKS

Expenditures on capital account amounted to \$5,600. The two items covered thereby were the purchase of a portable air compressor and alterations to doors in sheds 9, 10 and 11. The three low cargo doors in sheds 9, 10 and 11 transferred, at maintenance expense, to other locations in shed 9, were replaced by high cargo doors.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$933,497, as compared with \$1,458,507 in 1945, the decrease being \$525,010. This substantial decrease in revenues reflects the change-over from war to post-war conditions insofar as harbour traffic is concerned. Nevertheless, earnings of the harbour were more than double those of 1938. Operating and maintenance expenses showed a reduction of \$35,071, the comparable figures being \$459,627 for 1946 and \$494,698 for 1945.

After taking into account income debits and credits, paying interest amounting to \$56,865 on debt to the public, and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$609,311, as against a deficit of \$105,109 in 1945.

Debenture indebtedness to the public, in the amount of \$219,000, was paid off during the year.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Harbour General		
Harbour Dues.....	\$	16,859 63
Miscellaneous.....		18,714 10
		<hr/>
	\$	35,573 73
Wharves and Piers		
Top Wharfrage.....		477,665 12
Dockage.....		218,564 19
Miscellaneous.....		565 00
		<hr/>
		696,794 31
Permanent Sheds		
Shed Rentals.....		16,441 05
Storage.....		11,024 40
Miscellaneous.....		13,58
		<hr/>
		27,479 03
Railway System.....		842 50
Grain Elevator System		
Receipts from joint operation.....		30,961 80
Miscellaneous—Outsiders.....		141,845 68
		<hr/>
	\$	933,497 05

OPERATING EXPENSES—

Administration.....		69,032 23
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INCOME STATEMENT FOR THE CALENDAR YEAR 1946—*Concluded*

Operation and Maintenance		
Harbour Dredging.....	94,120 56	
Harbour General.....	56,918 74	
Vehicular Bridges.....	552 65	
Roads, Fences and Boundaries.....	3,165 59	
Sewers and Drains.....	474 02	
Wharves and Piers.....	47,421 24	
Permanent Sheds.....	93,119 52	
Grain Elevator System.....	6,119 01	
Miscellaneous—Outsiders.....	88,703 81	
	<u>390,595 14</u>	459,627 37
Operating Income.....		<u>473,869 68</u>
INCOME RECEIVED FROM RESERVE FUNDS.....	75,129 52	
MISCELLANEOUS INCOME CREDITS.....	<u>1,213 35</u>	76,342 87
Total Income.....		<u>550,212 55</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—		
Income received from Reserve Funds transferred to Reserves.....	75,129 52	
Miscellaneous Income Charges.....	<u>22,118 07</u>	97,247 59
Income Available for Interest due Public.....		<u>452,964 96</u>
INTEREST ON DEBT TO THE PUBLIC.....		<u>56,865 43</u>
		396,099 53
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	<u>805,410 54</u>	1,005,410 54
Net Income <i>Deficit</i>		<u>\$ 609,311 01</u>

Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS

FIXED—	
Harbour Dredging.....	\$ 955,090 54
Real Estate.....	1,766,457 64
Vehicle Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,969 66
Wharves and Piers.....	14,002,590 22
Permanent Sheds.....	2,548,933 93
Railway System.....	192,660 57
Grain Elevator System.....	3,989,064 33
Office Furniture and Appliances.....	7,883 36
Harbour Buildings.....	47,202 41
Central Heating Plants.....	57,182 39
Water Supply System.....	14,315 67
Floating Equipment.....	201,999 68
Shore Equipment.....	32,920 41
Miscellaneous Small Plant.....	12,580 90
	<u>\$24,609,959 08</u>

CURRENT—

Cash—Receiver General of Canada \$ 489,041 74	
Cash—On Hand.....	230 08
Accounts Receivable.....	489,271 82
Less—Reserve for Bad Debts.....	
	<u>\$ 68,446 71</u>
	184 18
	<u>68,262 53</u>

Stores on Hand.....	18,527 17
Accrued Revenue.....	32,784 46
	<u>608,845 98</u>

SECURITY DEPOSITS.....

	24,974 25
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REPLACEMENT FUND.....

	2,614,378 46
--	--------------

FIRE AND GENERAL INSURANCE FUND.....

	127,217 48
--	------------

MISCELLANEOUS FUNDS.....

	35,235 73
--	-----------

PREPAID CHARGES.....

	306 66
--	--------

DEFERRED DEBITS.....

	21,037 50
	<u>\$28,041,955 14</u>

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....

	\$ 1,039,182 35
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DOMINION GOVERNMENT ACCOUNT—

Loans and Advances (Interest bearing).....	\$17,301,488 27
Expenditure under Appropriations.....	6,573,986 90
	<u>23,875,475 17</u>

CURRENT—

Accounts Payable.....	56,105 18
Salaries, Wages Payable.....	4,917 25
Matured Interest Unpaid—	
Due Public.....	1,168 39
Due Dominion Government.....	\$ 8,122,654 82
	<u>8,123,823 21</u>

Accrued Interest due Public.....	18,754 99
Contractors' Holdbacks—Maintenance.....	11,010 02
Unclaimed Wages.....	3 75
Matured Debentures due Public.....	3,912 84
	<u>8,218,527 24</u>
	24,974 25

CONTRACTORS' SECURITY DEPOSITS.....

RESERVES—	
Replacement.....	2,614,791 47
Fire and General Insurance.....	127,217 48
Harbour Dredging Maintenance.....	35,235 73
	<u>2,777,244 68</u>

DEFERRED CREDITS.....

	6,718 02
	<u>35,942,121 71</u>

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1945.....	7,290,855 56
Net Income Deficit for 1946.....	609,311 01
	<u>7,900,166 57</u>

	<u>\$28,041,955 14</u>
--	------------------------

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 120 miles below Quebec. The facilities operated by the Board include: 2,500 linear feet of wharf allowing ships of 26 feet draft, a concrete fireproof shed, 400 feet by 60 feet, a frame shed, 150 feet by 40 feet, and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	133	81,365
1945.....	97	66,271
1944.....	153	83,445
1943.....	194	111,325
1942.....	180	101,854
<i>Departures—</i>		
1946.....	132	81,360
1945.....	96	66,195
1944.....	152	83,433
1943.....	194	111,325
1942.....	180	101,854

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparison for 1945.

	1946		1945	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1	1,622	1	1,698
Coastal or inland commercial (including fishery).....	122	78,715	91	63,986
Other.....	10	1,028	5	587
Total.....	133	81,365	97	66,271
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1	1,622	1	1,698
Coastal or inland commercial (including fishery).....	122	78,715	91	63,986
Other.....	9	1,023	4	511
Total.....	132	81,360	96	66,195

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1946, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	43,552		43,552
1945.....	38,107		38,107
1944.....	54,605		54,605
1943.....	135,369		135,369
1942.....	27,574		27,574
<i>Domestic—</i>			
1946.....	18,879	481	19,360
1945.....	14,005	1,993	15,998
1944.....	44,983	1,145	46,128
1943.....	41,582	503	42,085
1942.....	131,643	697	132,340
<i>Total—</i>			
1946.....	62,431	481	62,912
1945.....	52,112	1,993	54,105
1944.....	99,588	1,145	100,733
1943.....	176,951	503	177,454
1942.....	159,217	697	159,914

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1946, with comparison for 1945.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	32,040		32,040	27,365
Gasoline.....	12,182		12,182	8,534
Coal, anthracite.....	10,765		10,765	10,742
Petroleum Oil, fuel.....	1,486		1,486	224
Molasses.....	1,348		1,348	122
Cement, common or portland.....	745		745	1,269
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	602		602	333
Vegetables, canned or preserved.....	398		398	274
Sugar, refined.....	255		255	215
Lumber (Planks, Boards and Flooring) and Square Timber.....	195	398	593	2,206
Potatoes.....	158		158	14
All Goods not otherwise specified.....	2,257	83	2,340	2,807
TOTAL.....	62,431	481	62,912	54,105

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1946, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1946.....			
1945.....			
1944.....			
1943.....			
1942.....			
<i>Coastwise—</i>			
1946.....	6,117	6,118	12,235
1945.....	5,098	5,102	10,200
1944.....	4,377	3,951	8,328
1943.....	4,049	4,048	8,097
1942.....	3,009	3,001	6,010
<i>Total</i>			
1946.....	6,117	6,118	12,235
1945.....	5,098	5,102	10,200
1944.....	4,377	3,951	8,328
1943.....	4,049	4,048	8,097
1942.....	3,009	3,001	6,010

(Exclusive of armed forces and prisoners of war)

MAINTENANCE

Ordinary maintenance to wharves, sheds and railway trackage was carried out at a cost of \$6,770.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$32,666, as compared with \$30,723 in 1945. Expenses of operation and maintenance were \$17,178, the corresponding figure in 1945 being \$20,719.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$202,457, as compared with a deficit of \$207,785 in 1945.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Harbour General			
Harbour Dues.....	\$	339 48	
Miscellaneous.....		240 00	
		<u> </u>	\$ 579 48
Wharves and Piers			
Top Wharfage.....		9,716 18	
Dockage.....		1,274 69	
Miscellaneous.....		15,797 11	
		<u> </u>	26,787 98
Permanent Sheds			
Shed Rentals.....		739 67	
Storage.....		3,925 66	
		<u> </u>	4,665 33
Miscellaneous—Outsiders.....			633 41
			<u> </u> \$ 32,666 20

OPERATING EXPENSES—

Administration.....		6,643 52	
Operation and Maintenance—			
Harbour Dredging.....		68 49	
Harbour General.....		2,177 89	
Roads, Fences and Boundaries.....		287 74	
Wharves and Piers.....		3,126 76	
Permanent Sheds.....		1,678 99	
Railway System.....		3,040 99	
Miscellaneous—Outsiders.....		153 39	
		<u> </u>	10,534 25
			<u> </u> 17,177 77
Operating Income.....			<u> </u> 15,488 43

INCOME RECEIVED FROM RESERVE FUNDS.....		2,846 99	
MISCELLANEOUS INCOME CREDITS.....		26 40	
		<u> </u>	2,873 39
Total Income.....			<u> </u> 18,361 82

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....		2,846 99	
Miscellaneous Income Charges.....		560 36	
		<u> </u>	3,407 35
			<u> </u> 14,954 47

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....		30,000 00	
Interest due Dominion Government.....		187,411 10	
		<u> </u>	217,411 10
Net Income Deficit.....	\$		<u> </u> 202,456 68

Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS

FIXED—	
Harbour Dredging.....	\$ 467,172 01
Real Estate.....	35,625 67
Roads, Fences and Boundaries.....	116,905 96
Sewers and Drains.....	165,653 09
Wharves and Piers.....	3,288,327 54
Permanent Sheds.....	124,083 29
Railway System.....	38,599 51
Office Furniture and Appliances.....	2,855 17
Electric Power System.....	3,915 37
Water Supply System.....	16,316 69
Floating Equipment.....	8,204 50
Shore Equipment.....	250 55
Miscellaneous Small Plant.....	536 70
Engineering—General Surveys.....	18,375 66
	<u>\$ 4,285,821 71</u>

CURRENT—	
Cash—Receiver General of Canada \$	12,305 50
Cash—On Hand.....	1,092 59
	<u>13,398 09</u>
Accounts Receivable.....	603 90
Stores on Hand.....	2,876 34
	<u>16,878 33</u>

REPLACEMENT FUND.	
	<u>107,119 44</u>
FIRE AND GENERAL INSURANCE FUND.	
	<u>9,645 16</u>
PREPAID CHARGES.	<u>609 81</u>
	<u>\$ 4,420,074 45</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$ 3,838,060 26
Expenditure under Appropriations.....	485,398 32
	<u>\$ 4,323,458 58</u>

CURRENT—	
Accounts Payable.....	176 39
Matured Interest due Dominion Government..	2,726,506 12
Unclaimed Wages.....	22 30
	<u>2,726,704 81</u>

RESERVES—	
Replacement.....	342,119 44
Fire and General Insurance.....	9,645 16
	<u>351,764 60</u>

DEFERRED CREDITS.	<u>1,873 29</u>
	<u>7,403,801 28</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1945.....	2,761,105 64
Adjustments in 1946.....	20,164 56
Net Income Deficit for 1946.....	202,456 63
	<u>2,983,726 83</u>
	<u>\$ 4,420,074 45</u>

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 22 miles of standard gauge terminal railway, connected with both Canadian railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 75 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	3,872	2,470,154
1945.....	3,840	2,816,194
1944.....	3,560	2,172,620
1943.....	3,506	1,764,944
1942.....	3,896	1,883,084
<i>Departures—</i>		
1946.....	3,884	2,472,624
1945.....	3,841	2,823,429
1944.....	3,561	2,171,501
1943.....	3,530	1,816,848
1942.....	3,910	1,927,366

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparison for 1945.

	1946		1945	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	159	572,976	232	921,856
Coastal or inland commercial (including fishery).....	3,497	1,876,701	3,529	1,882,702
Other.....	216	20,477	79	11,636
Total.....	3,872	2,470,154	3,840	2,816,194
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	159	572,976	232	921,856
Coastal or inland commercial (including fishery).....	3,508	1,878,033	3,538	1,891,473
Other.....	217	21,615	71	10,100
Total.....	3,884	2,472,624	3,841	2,823,429

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1946, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	35,550	237,330	272,880
1945.....	106,274	544,280	650,554
1944.....	95,926	237,433	333,359
1943.....	18,745	162,243	180,988
1942.....	33,112	142,308	175,420
<i>Domestic—</i>			
1946.....	1,123,334	144,545	1,267,879
1945.....	1,078,574	170,331	1,248,905
1944.....	943,919	147,648	1,091,567
1943.....	759,921	300,560	1,060,481
1942.....	785,237	192,605	977,842
<i>Total—</i>			
1946.....	1,158,884	381,875	1,540,759
1945.....	1,184,848	714,611	1,899,459
1944.....	1,039,845	385,081	1,424,926
1943.....	778,666	462,803	1,241,469
1942.....	818,349	334,913	1,153,262

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1946, with comparison for 1945.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Pulpwood.....	451,986	100,011	551,997	491,983
Coal, bituminous.....	349,948	1,202	351,150	358,840
Gasoline.....	114,892	240	115,132	84,929
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	493	105,538	106,031	66,105
Petroleum Oil, fuel.....	95,297	457	95,754	144,082
Grain.....	19,313	58,099	77,412	423,036
Lumber (Planks, Boards and Flooring) and Square Timber.....	9,030	47,717	56,747	59,229
Cement, common or portland.....	43,040	613	43,653	46,014
Flour, wheat.....	1,450	12,071	13,521	13,812
Molasses.....	9,030	812	9,842	2,275
Metal, scrap.....	9,442		9,442	
Tea.....	9,267	80	9,347	
Motor Vehicles and Parts.....		8,841	8,841	
Asbestos and Asbestos Manufactures.....		8,492	8,492	3,068
Sulphur.....	4,783		4,783	4,523
Fertilizers and Fertilizer Materials.....	3,303	1,251	4,554	1,599
Food-stuffs, canned or preserved, not otherwise speci- fied.....	1,777	2,686	4,463	6,153
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate..	2,522	1,859	4,381	5,040
Sugar, raw.....	4,366	12	4,378	
Coal, anthracite.....	4,182		4,182	10,572
Paper, newsprint.....	429	1,592	2,021	4,129
Beverages, alcoholic.....	1,346	342	1,688	2,395

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Wood-pulp.....	141	1,082	1,223	9,055
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	382	639	1,021	575
All Goods not otherwise specified.....	22,465	28,239	50,704	162,045
TOTAL.....	1,158,884	381,875	1,540,759	1,899,459

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1946, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1946.....	20	19	39
1945.....	135	1,586	1,721
1944.....			
1943.....			
1942.....			
<i>Coastwise—</i>			
1946.....	45,136	33,231	78,367
1945.....	49,776	47,263	97,039
1944.....	39,823	35,745	75,568
1943.....	22,931	25,181	48,112
1942.....	18,215	21,358	39,573
<i>Total—</i>			
1946.....	45,156	33,250	78,406
1945.....	49,911	48,849	98,760
1944.....	39,823	35,745	75,568
1943.....	22,931	25,181	48,112
1942.....	18,215	21,358	39,573

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....	939,578	2,235,237	3,174,815
1945.....	526,209	13,611,445	14,137,654
1944.....	671,802	2,996,584	3,668,386
1943.....		1,642,807	1,642,807
1942.....	117,012	2,970,486	3,087,498
<i>Via Rail—</i>			
1946.....	1,629,813	715,697	2,345,510
1945.....	13,358,498	1,408,406	14,766,904
1944.....	5,818,547	536,586	6,355,133
1943.....	1,813,995	1,234,336	3,048,331
1942.....	2,908,875	479,640	3,388,615
<i>Via other—</i>			
1946.....	25,834	766,601	792,435
1945.....	27,570	587,319	614,889
1944.....	14,891	820,172	835,063
1943.....	19,166	853,889	873,055
1942.....	11,927	439,579	451,506

GRAIN ELEVATOR—*Concluded*

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Total—</i>			
1946.....	2,595,225	3,717,535	6,312,760
1945.....	13,912,277	15,607,170	29,519,447
1944.....	6,505,240	4,353,342	10,858,582
1943.....	1,833,161	3,731,032	5,564,193
1942.....	3,037,914	3,889,705	6,927,619

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1946, with comparison for 1945.

	1946	1945
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	9,947	15,150
Non-revenue cars.....	4,859	5,831
Total.....	14,806	20,981
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	5,700	6,893
Non-revenue cars.....	9,111	13,594
Total.....	14,811	20,487
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....		
Non-revenue cars.....		
Total.....		
<i>Switched locally—</i>		
Revenue cars.....	473	1,140
Non-revenue cars.....	473	1,140
Total.....	946	2,280
<i>Total—</i>		
Revenue cars.....	16,120	23,183
Non-revenue cars.....	14,443	20,565
Total.....	30,563	43,748

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$171,239. The main items were painting sheds 19, 25, 26 and 28, marine towers and steel work of railway platforms and cross galleries of shed A, waterproofing brick walls of cold storage main warehouse and fish house, repairing and reinforcing the power house chimney, and repairs to locomotives Nos. 1, 3 and 4.

CAPITAL WORKS

Expenditures on capital account amounted to \$16,257. The work, which consisted of the construction of new railway tracks and levelling of ground at Wolfe's Cove terminals, was performed by the Board's forces and was not fully completed during the year.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$672,264, as compared with \$944,190 in 1945, the decrease being \$271,926. The greater part of this decrease is attribut-

able to the reduction in the quantity of grain exported through the port. Revenues of the grain elevator were \$62,000 in 1946, as against \$248,000 in 1945. Revenues were also unfavourably affected by the termination of the occupancy of certain harbour properties leased for war purposes.

On the year's operations, there was a deficit before capital charges of \$13,951, for which a vote of Parliament will be requested.

Net income deficit, after all charges, was \$1,442,153. the corresponding figure for the preceding year being \$1,285,305.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—			
Harbour General			
Harbour Dues.....	\$	9,765 04	
Miscellaneous.....		29,902 78	
			\$ 37,667 82
Wharves and Piers			
Top Wharfage.....		101,964 15	
Dockage.....		56,137 22	
Miscellaneous.....		70,636 23	
			228,737 60
Permanent Sheds			
Shed Rentals.....		49,541 02	
Storage.....		43,835 95	
			93,376 97
Railway System.....			79,607 77
Grain Elevator System			
Elevation.....		30,754 49	
Storage.....		29,481 27	
Miscellaneous.....		2,186 19	
			62,421 95
Cold Storage System			
Storage.....		98,876 46	
Miscellaneous.....		11,186 80	
			110,063 26
Miscellaneous—Outsiders.....			60,388 19
			\$ 672,263 56
OPERATING EXPENSES—			
Administration.....			115,662 97
Operation and Maintenance			
Harbour Dredging.....		467 78	
Harbour General.....		97,393 98	
Vehicular Bridges.....		4,078 20	
Roads, Fences and Boundaries.....		8,332 76	
Sewers and Drains.....		1,091 40	
Wharves and Piers.....		40,494 31	
Permanent Sheds.....		37,071 70	
Railway System.....		126,568 23	
Grain Elevator System.....		101,282 68	
Cold Storage System.....		96,900 57	
Miscellaneous—Outsiders.....		49,082 36	
			562,763 97
			678,426 94
Operating Deficit.....			6,163 38
INCOME RECEIVED FROM RESERVE FUNDS.....		20,412 11	
MISCELLANEOUS INCOME CREDITS.....		2,739 19	
			23,151 30
Total Income.....			16,987 92
MISCELLANEOUS DEDUCTIONS FROM INCOME			
Income received from Reserve Funds transferred to Reserve.....		20,412 11	
Reserve for Bad Debts.....		48 04	
Miscellaneous Income Charges.....		10,479 21	
			30,939 36
			13,951 44
OTHER INCOME REQUIREMENTS			
Reserve for Replacements.....		200,000 00	
Interest due Dominion Government.....		1,228,201 56	
			1,428,201 56
Net Income Deficit.....			\$ 1,442,153 00

BALANCE SHEET AS AT DECEMBER 31, 1946

HARBOUR OF QUEBEC

ASSETS

FIXED—		LIABILITIES	
Harbour Dredging.....	\$ 3,940,865 55	DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	289,282 99	Loans and Advances (Interest bearing).....	\$27,765,994 73
Vehicular Bridges.....	172,284 75	Expenditure under Appropriations.....	2,592,677 67
Roads, Fences and Boundaries.....	129,167 35	Government Loans Applied for—Contra.....	16,256 52
Sewers and Drains.....	293,022 25		<u>\$30,374,928 92</u>
Miscellaneous Structures.....	134,603 77		
Wharves and Piers.....	13,146,786 24		
Permanent Sheds.....	3,275,963 63		
Shed Hoists.....	12,000 00		
Railway System.....	874,653 93	CURRENT—	
Grain Elevator System.....	3,735,358 72	Accounts Payable.....	9,297 76
Cold Storage System.....	718,945 44	Salaries and Wages Payable.....	1,639 44
Office Furniture and Appliances.....	13,414 09	Matured Interest due Dominion Government.....	30,748,773 61
Harbour Buildings.....	196,735 26	Unclaimed Wages.....	264 28
Central Heating Plants.....	11,300 46		<u>30,759,975 09</u>
Harbour Shops.....	33,911 13		
Electric Power System.....	58,511 44	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	1,582 86
Water Supply System.....	30,718 50		
Floating Equipment.....	101,697 98		
Shore Equipment.....	60,764 54		
Miscellaneous Small Plant.....	8,517 26		
Sundry Expenditure (Undistributed).....	1,621,453 70		
Works under Construction.....	16,256 52		
	<u>\$28,876,215 50</u>		

CURRENT—		RESERVES—	
Cash—Receiver General of Canada \$ 34,120 01		Replacement.....	2,244,591 24
Cash—On Hand.....	1,324 61	Fire and General Insurance.....	105,322 24
			<u>2,349,913 48</u>
Accounts Receivable.....	70,807 95		
Less—Reserve for Bad Debts.....	2,781 10		
		DEFERRED CREDITS.....	11,693 39
Advances due on Capital Account.....	68,026 85		<u>63,498,093 74</u>
Advances due on Deficit Account.....	16,256 52		
Stores on Hand.....	13,951 44		
Accrued Revenue.....	40,127 88		
Other Assets.....	860 08		
	<u>636 50</u>		
SECURITY DEPOSITS.....	175,323 89		
REPLACEMENT FUND.....	1,582 86	SURPLUS AND DEFICIT ACCOUNT—	
FIRE AND GENERAL INSURANCE FUND.....	639,591 24	Deficit as at December 31, 1945.....	32,264,863 85
PREPAID CHARGES.....	105,322 24	Net Income Deficit for 1946.....	1,442,153 00
DEFERRED DEBITS.....	4,872 52		<u>33,707,016 85</u>
	<u>2,120 08</u>	Deduct—Government Grant re 1946 Deficit....	13,951 44
			<u>33,693,065 41</u>
			<u>\$29,805,028 33</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include three main wharves having some 7,650 linear feet of berthing with a minimum water depth of 30 feet alongside and nine transit sheds with a total floor area of about 192,000 square feet.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	2,073	1,796,200
1945.....	1,973	2,243,566
1944.....	1,958	1,860,530
1943.....	1,778	1,424,227
1942.....	2,149	1,666,674
<i>Departures—</i>		
1946.....	2,073	1,796,200
1945.....	1,973	2,243,566
1944.....	1,958	1,860,530
1943.....	1,783	1,425,516
1942.....	2,144	1,665,336

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparison for 1945.

	1946		1945	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	111	391,406	155	584,601
Coastal or inland commercial (including fishery).....	1,920	1,388,386	1,774	1,647,045
Other.....	42	16,408	44	11,920
Total.....	2,073	1,796,200	1,973	2,243,566
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	111	391,406	155	584,601
Coastal or inland commercial (including fishery).....	1,920	1,388,386	1,774	1,647,045
Other.....	42	16,408	44	11,920
Total.....	2,073	1,796,200	1,973	2,243,566

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1946, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	294,898	466,358	761,256
1945.....	329,534	871,455	1,200,989
1944.....	365,262	376,707	741,969
1943.....	245,036	320,728	565,764
1942.....	182,146	306,360	488,506
<i>Domestic—</i>			
1946.....	1,132,324	8,944	1,141,268
1945.....	1,282,174	9,679	1,291,853
1944.....	947,277	50,538	997,815
1943.....	629,487	11,153	640,640
1942.....	831,091	16,779	847,870
<i>Total—</i>			
1946.....	1,427,222	475,302	1,902,524
1945.....	1,611,708	881,134	2,492,842
1944.....	1,312,539	427,245	1,739,784
1943.....	874,523	331,881	1,206,404
1942.....	1,013,237	323,139	1,336,376

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1946, with comparison for 1945.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Pulpwood.....	871,013	.....	871,013	756,504
Coal, bituminous.....	417,444	.....	417,444	341,002
Grain.....	72,571	184,615	257,186	1,120,286
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	.....	144,353	144,353	57,174
Paper, newsprint.....	.....	88,993	88,993	38,867
Lumber (Planks, Boards and Flooring) and Square Timber.....	4,257	41,344	45,601	78,875
Gasoline.....	22,673	.....	22,673	14,809
Sulphur.....	9,669	.....	9,669	.....
Petroleum Oil, fuel.....	6,039	1,308	7,347	6,467
Sand and Gravel.....	6,746	.....	6,746	3,588
Barytes.....	2,436	2,436	4,872	.....
Fertilizers and Fertilizer Materials.....	.....	2,037	2,037	.....
Cocoa Beans, Cocoa Preparations and Chocolate (ex- cept Confectionery).....	1,824	.....	1,824	.....
Molasses.....	1,637	.....	1,637	571
Hay and Straw.....	.....	1,297	1,297	1,267
Motor Vehicles and Parts.....	.....	835	835	5,325
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	500	.....	500	2,150
Machinery and Parts (except agricultural).....	.....	360	360	.....
Calcium Carbide.....	.....	257	257	1,734
Asbestos and Asbestos Manufactures.....	.....	226	226	2,028
All Goods not otherwise specified.....	10,413	7,241	17,654	62,195
TOTAL.....	1,427,222	475,302	1,902,524	2,492,842

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....	3,057,387	6,793,063	9,850,450
1945.....	15,305,216	22,508,020	37,813,236
1944.....	4,017,263	6,924,003	10,941,266
1943.....		4,513,875	4,513,875
1942.....		3,127,845	3,127,845
<i>Via rail—</i>			
1946.....	1,835,311	24,000	1,859,311
1945.....	4,365,538	379,000	4,744,538
1944.....	6,684,245	769,724	7,453,969
1943.....	1,763,711	145,583	1,909,294
1942.....	3,214,966		3,214,966
<i>Via other—</i>			
1946.....		62,674	62,674
1945.....		51,133	51,133
1944.....		66,038	66,038
1943.....		63,665	63,665
1942.....		41,022	41,022
<i>Total—</i>			
1946.....	4,892,698	6,879,737	11,772,435
1945.....	19,670,754	22,938,153	42,608,907
1944.....	10,701,508	7,759,765	18,461,273
1943.....	1,763,711	4,723,123	6,486,834
1942.....	3,214,966	3,168,867	6,383,833

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Expenditure on ordinary maintenance and repairs was \$7,326. The principal items were renewal of roofing of sheds 13 and 16, painting shed 3B and the doors of sheds 10, 13 and 16.

CAPITAL WORKS

Capital expenditure amounted to \$1,550, consisting of the installation of floodlights at sections 11, 12 and 14. The work, which was being done by contract, was not completed during the year.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$229,882, as compared with \$294,648 in 1945, a decrease of \$64,766. Operating and maintenance expenses were \$29,822, as against \$32,165 in 1945, a decrease of \$2,343.

After charging interest and reserve for replacements, there was a net income deficit of \$57,099. In 1945, there was a surplus of \$5,254.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Harbour General			
Harbour Dues.....	\$	6,558 20	
Miscellaneous.....		952,30	
		<u> </u>	\$ 7,510 50
Wharves and Piers			
Top Wharfage.....		78,518 69	
Dockage.....		35,157 13	
Miscellaneous.....		51,728 43	
		<u> </u>	165,404 25
Permanent Sheds			
Shed Rentals.....		54,831 75	
Miscellaneous—Outsiders.....		2,135 33	
		<u> </u>	\$ 229,881 83

OPERATING EXPENSES

Administration.....		16,280 46	
Operation and Maintenance			
Harbour Dredging.....		5,000 00	
Harbour General.....		3,835 65	
Roads, Fences and Boundaries.....		394 23	
Wharves and Piers.....		112 70	
Permanent Sheds.....		3,585 34	
Miscellaneous—Outsiders.....		613 26	
		<u> </u>	13,541 18
			<u>29,821 64</u>
Operating Income.....			200,060 19

INCOME RECEIVED FROM RESERVE FUNDS..... 26,910 67

MISCELLANEOUS INCOME CREDITS..... 100 00
27,010 67
 Total Income..... 227,070 86

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves..... 26,910 67
 Reserve for Bad Debts..... 200 00
 Miscellaneous Income Charges..... 191 52
27,302 19
 Income Available for Interest due Public..... 199,768 67

OTHER INCOME REQUIREMENTS

Reserve for Replacements..... 70,000 00
 Interest due Dominion Government..... 186,867 51
256,867 51
 Net Income *Deficit*..... \$ 57,098 84

Harbour of Three Rivers BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 1,204,777 00	Loans and Advances (Interest bearing).....	\$ 3,982,510 47
Roads, Fences and Boundaries.....	60,384 26	Expenditure under Appropriations.....	590,857 27
Miscellaneous Structures.....	1,281 16		<u>\$ 4,573,367 74</u>
Wharves and Piers.....	5,780,456 38		122 84
Permanent Sheds.....	791,660 07	CONTRACTORS' HOLDBACKS—CONSTRUCTION.....	
Railway System.....	26,611 43		
Office Furniture and Appliances.....	1,292 16	CURRENT—	
Electric Power System.....	11,512 44	Accounts Payable.....	3,996 34
Water Supply System.....	10,894 44	Matured Interest Unpaid—	
Miscellaneous—Small Plant.....	355 49	Due Dominion Government.....	1,552,425 04
Works under Construction.....	1,550 25	Unclaimed Wages.....	75
	<u>\$ 7,890,775 08</u>		<u>1,556,422 13</u>
		CONTRACTORS' SECURITY DEPOSITS.....	<u>226 88</u>
CURRENT—			
Cash—Receiver General of Canada \$ 56,517 47		RESERVES—	
Cash—On Hand.....	516 08	Replacement.....	968,519 50
Accounts Receivable.....	4,147 62	Fire and General Insurance.....	29,796 18
Less—Reserve for Bad Debts.....	2,000 00	Maintenance Dredging.....	10,000 00
	<u>2,147 62</u>		<u>1,008,315 68</u>
Stores on Hand.....	832 91		
	<u>60,014 08</u>	DEFERRED CREDITS.....	<u>24,716 35</u>
			<u>7,163,171 62</u>
SECURITY DEPOSITS.....	<u>226 88</u>	SURPLUS AND DEFICIT ACCOUNT—	
REPLACEMENT FUND.....	<u>968,381 83</u>	Surplus as at December 31, 1945.....	1,857,111 66
FIRE AND GENERAL INSURANCE FUND.....	<u>29,796 18</u>		
MISCELLANEOUS FUNDS.....	<u>10,000 00</u>		
PREPAID CHARGES.....	<u>28 20</u>	Deduct—	
DEFERRED DEBTS.....	<u>3,962 19</u>	Net Income Deficit for 1946.....	57,098 84
	<u>\$ 8,963,184 44</u>		<u>1,800,012 82</u>
			<u>\$ 8,963,184 44</u>

HARBOUR OF MONTREAL

The Harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast. The ship channel, of which approximately 100 miles is dredged channel, provides a minimum depth of 32½ feet. The Harbour is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The Harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 105 berths, totalling about 10 miles of berthing accommodation; 26 transit sheds, with an aggregate floor area of over 2,063,000 square feet; also 4 grain elevators, with a total storage capacity of over 15,000,000 bushels, and 3½ miles of grain conveyor galleries; and a cold storage warehouse, with a capacity of 2,909,210 cubic feet. A 75-ton capacity floating crane and 10 locomotive cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	3,193	5,239,076
1945.....	3,295	4,688,742
1944.....	2,651	2,968,527
1943.....	2,624	2,575,832
1942.....	2,816	2,750,007
<i>Departures—</i>		
1946.....	3,208	5,260,474
1945.....	3,284	4,621,510
1944.....	2,678	3,051,404
1943.....	2,642	2,654,458
1942.....	2,831	2,781,887

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparison for 1945.

	1946		1945	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	811	3,016,062	641	2,326,742
Coastal or inland commercial (including fishery).....	2,247	2,202,250	2,511	2,317,711
Other.....	135	20,764	143	44,289
Total.....	3,193	5,239,076	3,295	4,688,742
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	815	3,034,354	647	2,328,556
Coastal or inland commercial (including fishery).....	2,250	2,203,752	2,507	2,250,980
Other.....	143	22,368	130	41,974
Total.....	3,208	5,260,474	3,284	4,621,510

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1946, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	2,551,868	4,392,376	6,944,244
1945.....	1,812,369	4,904,744	6,717,113
1944.....	1,527,907	2,291,525	3,819,432
1943.....	1,852,766	1,089,447	2,942,213
1942.....	1,743,197	1,600,935	3,344,132
<i>Domestic—</i>			
1946.....	853,150	1,301,706	2,154,856
1945.....	1,427,446	864,958	2,292,404
1944.....	395,399	1,069,343	1,464,742
1943.....	353,627	961,034	1,314,661
1942.....	763,046	615,061	1,378,107
<i>Total—</i>			
1946.....	3,405,018	5,694,082	9,099,100
1945.....	3,239,815	5,769,702	9,009,517
1944.....	1,923,306	3,360,868	5,284,174
1943.....	2,206,393	2,050,481	4,256,874
1942.....	2,506,243	2,215,996	4,722,239

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1946, with comparison for 1945.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	634,954	1,796,314	2,431,268	4,121,146
Coal, bituminous.....	1,108,649		1,108,649	1,348,702
Gasoline.....	227,980	598,845	826,825	673,347
Flour, wheat.....		638,316	638,316	343,316
Petroleum Oil, fuel.....	49,397	331,484	380,881	401,598
Petroleum Oil, crude.....	249,163	34,075	283,238	95,714
Sugar, raw.....	178,442		178,442	11,369
Motor Vehicles and Parts.....	24,941	140,922	165,863	377,699
Lumber (Planks, Boards and Flooring) and Square Timber.....	4,295	150,799	155,094	87,990
Meats, canned, cured, prepared or preserved.....	514	144,219	144,733	74,958
Petroleum Oil, refined not otherwise specified.....	31,680	93,593	125,273	73,909
Manganese Ore.....	41,227	79,843	121,070	28,448
Railway Equipment not otherwise specified.....	16	110,567	110,583	12,563
Paper, newsprint.....		99,813	99,813	52,058
Phosphate Rock.....	65,641	30,204	95,845	560
Kerosene.....	83,872	8,806	92,678	44,757
Cement, common or portland.....	921	83,265	84,186	104,680
Pulpboard (except Wallboard).....	7	79,198	79,205	9,543
Gypsum, crude.....	75,940		75,940	58,979
Coal, anthracite.....	74,654	189	74,843	73,631
Molasses.....	50,132	13,498	63,630	1,252
Iron Ore.....	38,779	22,470	61,249	.....
Wood-pulp.....	1	52,202	52,203	61,403
Cheese.....	73	49,971	50,044	38,306

CARGO TONNAGE—COMMODITIES—Continued

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Beverages, alcoholic.....	28,992	19,433	48,425	15,948
Copper, refined, in bars, billets, cakes, cathodes, in gots or slabs.....		47,198	47,198	27,214
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	3,427	43,356	46,783	14,088
Grain Products (Mill Products except Wheat Flour).....		44,900	44,900	17,722
Fertilizers and Fertilizer Materials.....		43,820	43,820	21,748
Ferro-alloys.....	23	39,094	39,117	28,186
Paper not otherwise specified.....	3,783	32,504	36,287	21,108
Milk, condensed, evaporated or powdered.....		35,031	35,031	13,891
Eggs, in shell.....		34,454	34,454	26,194
Lead and Lead Manufactures.....	5	31,109	31,114	6,390
Dry Goods not otherwise specified.....	16,137	13,841	29,878	14,448
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	1,233	27,730	28,963	14,642
Trailers and Parts.....	775	27,131	27,906	7,828
Iron or Steel Manufactures not otherwise specified.....	10,898	16,742	27,640	7,676
Meats, chilled, fresh or frozen.....		26,666	26,666	48,810
Chrome Ore.....	19,936	5,964	25,900	7,273
Jute and Jute Manufactures.....	23,734	1,933	25,667	625
Wool, unmanufactured, and Wool Yarns.....	24,656	309	24,965	15,061
Apples.....	2,937	22,009	24,946	1,924
Glass and Glass Manufactures.....	19,521	3,546	23,067	10,110
Iron or Steel, scrap.....	22,388	564	22,952	
Machinery and Parts (except agricultural).....	9,187	13,022	22,209	7,281
Agricultural Implements, Machinery and Parts (ex- cept Motor Vehicles).....	15	21,571	21,586	23,786
Copper and Copper Manufactures not otherwise speci- fied.....	881	20,200	21,081	4,785
Locomotives and Parts.....		20,398	20,398	4,848
Cocoa Beans, Cocoa Preparations and Chocolate (ex- cept Confectionery).....	17,371	741	18,112	8,364
Sisal.....	17,246		17,246	4
Hay and Straw.....		17,202	17,202	5,686
Nuts.....	16,296	791	17,087	4,900
Hides, Leather and Leather Manufactures.....	3,299	13,396	16,695	5,075
Rubber, crude (including Latex).....	5,632	10,616	16,248	
Asbestos and Asbestos Manufactures.....	2,835	12,342	15,177	30,922
Relief Clothing and Supplies.....		15,158	15,158	7,010
Ordnance Stores not otherwise specified.....	6,484	8,260	14,744	73,015
Zinc Spelter.....		14,632	14,632	7,987
Vegetables, dried.....		14,432	14,432	9,064
Sulphur.....	13,386	1	13,387	6
Nickel and Nickel Manufactures.....	894	12,398	13,292	677
Fish (including Shell-fish), canned or preserved.....	109	12,201	12,310	5,729
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	2,571	9,573	12,144	4,638
Fruits, dried.....	11,815	253	12,068	1,423
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	1,662	10,126	11,788	11,552
Coffee Beans and Coffee Preparations.....	11,709	43	11,752	159
Cereals.....		11,593	11,593	8,089
Paints, Pigments and Varnishes not otherwise speci- fied.....	3,846	7,522	11,368	6,947
Vegetable Oils.....	10,524	708	11,232	5,555
Live Stock.....	2	10,792	10,794	1,267
Fish (including Shell-fish), dried, pickled, salted or smoked.....	4,991	5,309	10,300	28,336
Wallboard.....	74	9,943	10,017	6,479
Effects.....	3,443	6,475	9,918	3,227
Rubber Manufactures.....	246	9,547	9,793	11,460
Feed, animal or poultry, not otherwise specified.....	2	9,607	9,609	2,806
Vegetables and Vegetable Products (including Juices) not otherwise specified.....	10	9,412	9,422	1,393
Electrical Goods not otherwise specified.....	1,641	7,591	9,232	2,970
Aircraft and Parts.....	1,072	8,081	9,153	3,532
Ores and Concentrates not otherwise specified.....	3	9,050	9,053	2,764
Copper Concentrates, Matte and Ore.....		9,017	9,017	9,204
China-ware, Earthenware and Porcelainware.....	8,804	126	8,930	5,824
Brick.....	6,501	2,270	8,771	3,134
Food-stuffs, canned or preserved, not otherwise speci- fied.....	270	8,278	8,548	3,812
Match Splints.....		7,423	7,423	4,717
Drugs and Druggists' Sundries.....	911	6,496	7,407	1,543
Fruits, fresh, not otherwise specified.....	317	6,489	6,806	286
Garden Bulbs and Shrubs.....	6,454	263	6,717	1,734

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Eggs, dried, evaporated, desiccated or powdered.....		6,587	6,587	9,700
Wax.....	48	6,485	6,533	1,489
Fish (including Shell-fish), fresh or frozen.....	1,162	5,199	6,361	4,128
Aluminum Manufactures not otherwise specified.....	1,806	4,424	6,230	2,405
Toys.....	2,217	3,633	5,850	525
Pitch, coal-tar.....	75	5,765	5,840	40
Soap, Soap Preparations and Toilet Preparations (including Cosmetics and Perfumery).....	193	5,384	5,577	12,073
Benzol.....	5,555		5,555	4,296
Calcium Carbide.....		5,517	5,517	10,524
Rock and Stone.....	4,664	853	5,517	291
Carpets and Matting.....	5,386	126	5,512	117
Bauxite Residue.....	5,361		5,361	
Vegetables, canned or preserved.....		5,248	5,248	2,384
Boats (including Canoes) and Parts.....	90	5,153	5,243	108
Box, Crate and Cooperage Materials, wooden.....		5,106	5,106	9,030
Cotton, raw.....	4,971	35	5,006	
All Goods not otherwise specified.....	83,264	185,292	268,556	203,573
TOTAL.....	3,405,018	5,694,082	9,099,100	9,009,517

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1946, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1946.....	4,240	4,477	8,717
1945.....	2,287	1,613	3,900
1944.....	140	906	1,406
1943.....	16	20	36
1942.....	607	219	826
<i>Coastwise—</i>			
1946.....	73,995	70,053	144,048
1945.....	79,560	69,342	148,902
1944.....	67,657	57,857	125,514
1943.....	60,929	53,836	114,765
1942.....	59,014	55,273	114,287
<i>Total—</i>			
1946.....	78,235	74,530	152,765
1945.....	81,847	70,955	152,802
1944.....	67,797	58,763	126,560
1943.....	60,945	53,856	114,801
1942.....	59,621	55,492	115,113

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....	25,922,298	67,029,562	92,951,860
1945.....	40,206,939	102,873,071	143,080,010
1944.....	7,592,995	24,392,834	31,985,829
1943.....	2,056,840	9,977,970	12,034,810
1942.....	1,256,798	16,160,119	17,416,917

GRAIN ELEVATORS—*Concluded*

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via rail—</i>			
1946.....	47,038,604	6,987,027	54,025,631
1945.....	72,238,084	11,661,727	83,899,811
1944.....	32,759,311	8,272,928	41,032,239
1943.....	18,048,090	11,624,710	29,672,800
1942.....	22,347,475	4,705,345	27,052,820
<i>Via other—</i>			
1946.....	6,434	4,599,301	4,605,735
1945.....	4,991	3,912,265	3,917,256
1944.....	19,883	3,482,882	3,502,765
1943.....	42,899	3,325,179	3,368,078
1942.....	61,707	2,317,288	2,378,995
<i>Total—</i>			
1946.....	72,967,336	78,615,890	151,583,226
1945.....	112,450,014	118,447,063	230,897,077
1944.....	40,372,189	36,148,644	76,520,833
1943.....	20,147,829	24,927,859	45,075,688
1942.....	23,665,980	23,182,752	46,848,732

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1946, with comparison for 1945.

	1946	1945
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	88,631	82,524
Non-revenue cars.....	7,544	8,393
Total.....	96,175	90,917
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	22,795	21,896
Non-revenue cars.....	73,540	67,560
Total.....	96,335	89,456
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	158	16,522
Non-revenue cars.....		13,193
Total.....	158	29,715
<i>Switched locally—</i>		
Revenue cars.....	2,062	2,512
Non-revenue cars.....	1,059	656
Total.....	3,121	3,168
<i>Total—</i>		
Revenue cars.....	113,646	123,454
Non-revenue cars.....	82,143	89,802
Total.....	195,789	213,256

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$711,939, excluding maintenance on Jacques Cartier bridge, on which \$25,982 was expended. The larger items were repairs to railway system, grain elevator system, shore and floating equipment, wharves and piers, sheds, cold storage warehouse, harbour lighting and electric power system.

CAPITAL WORKS

Expenditures, chargeable either to capital or replacement reserve, amounted to \$283,792. The principal items were:

Replacement No. 3 Elevator Substation.—This entailed the transfer of electrical equipment by the Board's forces from old substation No. 3 to the distribution room at No. 3 elevator. The work was 60% completed during the year.

Construction of Flat Scow.—A wooden flat scow 100' x 30' x 9', construction of which was commenced earlier, was completed during the year by the Board's forces.

Major Equipment Purchases.—A 44-ton diesel electric locomotive, one railway snow plow and two 80 foot, 400 H.P. diesel tugs were purchased during the year.

Minor Items.—These included a start at construction of latrines on six piers, the partial construction of a garage at shed 11, the completion of track alterations at Vulcan wharf, the construction of two additional loading platforms at the cold storage warehouse and the purchase of an automobile, a motorcycle, a three-ton truck, two $\frac{1}{2}$ -ton trucks, portable pneumatic tools, a stator winding machine and two transmission lines, together with a number of transformers and capacitors.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$4,897,323, as compared with \$5,484,859 in 1945, a decrease of \$587,536. This substantial reduction in earnings took place, notwithstanding that total water-borne cargo tonnage was greater than in the previous year. Owing, however, to the reduction in the quantity of grain shipped in 1946, as compared with the previous year, gross revenues of grain elevators declined by \$611,000. Revenues from wharves and piers showed an increase of 20%, but those derived from sheds, terminal railway, cold storage and floating and shore equipment were lower than in 1945.

Operating and maintenance expenses were \$2,937,201, as against \$2,928,685 in 1945, an increase of \$8,516.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$1,299,469, as compared with \$759,970 in 1945.

The foregoing figures are exclusive of the operations of Jacques Cartier bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—

Harbour General		
Harbour Dues.....	\$ 30,946 64	
Miscellaneous.....	12,891 50	
	<hr/>	\$ 43,838 14
Wharves and Piers		
Top Wharfage.....	1,551,358 77	
Dockage.....	482,642 10	
Miscellaneous.....	267,832 29	
	<hr/>	2,301,833 16
Permanent Sheds		
Shed Rentals.....	237,227 50	
Storage.....	31,948 67	
Miscellaneous.....	10,937 27	
	<hr/>	280,113 44
Shed Hoists.....		31,845 96
Railway System.....		502,651 07
Grain Elevator System		
Elevation.....	762,228 48	
Storage.....	251,523 41	
Miscellaneous.....	35,554 20	
	<hr/>	1,049,306 09
Cold Storage System		
Storage.....	247,375 49	
Miscellaneous.....	37,426 79	
	<hr/>	284,802 28
Miscellaneous—Outsiders.....		402,933 13
	<hr/>	\$ 4,897,323 27

OPERATING EXPENSES—

Administration.....		445,145 47
Operation and Maintenance		
Harbour Dredging.....	30,617 04	
Harbour General.....	311,095 66	
Roads, Fences and Boundaries.....	33,238 90	
Sewers and Drains.....	5,106 82	
Wharves and Piers.....	59,516 88	
Permanent Sheds.....	74,206 06	
Shed Hoists.....	29,857 83	
Railway System.....	658,025 24	
Grain Elevator System.....	787,656 91	
Cold Storage System.....	262,974 24	
Miscellaneous—Outsiders.....	239,760 38	
	<hr/>	2,492,055 96
		<hr/>
Operating Income.....		2,937,201 43
		<hr/>
		1,960,121 84

INCOME RECEIVED FROM RESERVE FUNDS.....	222,154 70	
MISCELLANEOUS INCOME CREDITS.....	95,339 35	
	<hr/>	317,494 05
Total Income.....		<hr/>
		2,277,615 89

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	222,154 70	
Miscellaneous Income Charges.....	888 76	
	<hr/>	223,043 46

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	807,435 00	
Interest due Dominion Government.....	2,546,606 47	
	<hr/>	3,354,041 47
		<hr/>
		\$ 1,299,469 04

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS

Fixed—	
Harbour Dredging.....	\$ 5,564,416 49
Real Estate.....	2,210,611 46
Roads, Fences and Boundaries.....	780,882 46
Sewers and Drains.....	144,313 52
Miscellaneous Structures.....	400,779 04
Wharves and Piers.....	24,935,270 33
Permanent Sheds.....	6,707,238 75
Shed Hoists.....	4,117,198 39
Railway System.....	15,621,727 82
Grain Elevator System.....	3,013,569 60
Cold Storage System.....	42,323 13
Office Furniture and Appliances.....	295,813 79
Harbour Buildings.....	14,579 46
Central Heating Plants.....	286,494 12
Harbour Shops.....	967,020 69
Electric Power System.....	163,997 31
Water Supply System.....	898,252 27
Floating Equipment.....	437,817 16
Shore Equipment.....	65,936 50
Works under Construction.....	\$66,905,215 17

CURRENT—
Cash—Receiver General of Canada \$ 754,188 28
Cash—On Hand..... 91,641 51

Accounts Receivable.....	\$ 307,143 08
Less—Reserve for Bad Debts.....	1,109 39
Advances due on Capital Account.....	
Stores on Hand.....	274,662 68
Accrued Revenue.....	49,263 21
Other Assets.....	16,174 18

SECURITY DEPOSITS.....	1,501,527 12
REPLACEMENT FUND.....	96,185 85
FIRE AND GENERAL INSURANCE FUND.....	7,615,390 89
PREPAID CHARGES.....	715,069 45
DEFERRED DEBITS.....	4,990 22
	8,771 41
	\$76,847,750 11

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$60,248,434 91
Expenditure under Appropriations.....	4,601,910 34
Govt. Loans Applied for—Contra.....	9,563 57
	\$64,859,908 82

ACCOUNTS PAYABLE—CONSTRUCTION..... 6,600 59

CURRENT—	
Accounts Payable.....	150,391 81
Salaries and Wages Payable.....	56,991 22
Matured Interest due Dominion Government.....	14,400,556 34
Unclaimed Wages.....	312 50
Contractors Holdbacks—Maintenance.....	195 00
	14,608,446 87

CONTRACTORS' SECURITY DEPOSITS—CONTRA..... 96,185 85

RESERVES—	
Replacement.....	7,596,409 62
Fire and General Insurance.....	715,669 45
	8,312,079 07
DEFERRED CREDITS.....	51,886 48
	87,935,107 68

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1945.....	9,788,729 21
Net Income Deficit for 1946.....	1,299,469 04
	11,088,198 25
Deduct—	
Adjustments in 1946.....	840 68
	11,087,357 57
	\$76,847,750 11

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge during calendar year 1946, with comparisons for 1945.

	1946	1945
Passengers in vehicles.....	8,630,969	8,516,877
Automobiles (passenger).....	2,138,928	1,747,611
Trucks.....	437,478	375,996
Buses.....	78,400	68,000
All others.....	24,708	21,543

REVENUES AND EXPENDITURES

Establishing a record high, earnings of the bridge amounted to \$730,701, exceeding those of 1945 by \$126,072. Operating and maintenance expenses were \$113,337, as compared with \$105,422 in the previous year.

After making provision for interest on bonds, reserves for depreciation and replacements, and other charges against income, there was a net income deficit of \$900,083, towards which, under agreement, contributions of \$150,000 each are payable by the Province of Quebec and the City of Montreal. The corresponding net income deficit in 1945 was \$1,036,874.

As stated in last year's report, the City of Montreal, disclaiming liability, did not pay the contribution of \$150,000 in respect of deficit incurred in the operation of the bridge in 1944. The contribution for 1945 also was not paid. Legal proceedings have been instituted against the City.

The Province of Quebec has also withheld payment of its contribution for both years.

Consequently, the balance sheet of the bridge as at December 31, 1946, shows accounts receivable of \$900,000, being contributions due from both the Province and the City in respect of deficits incurred in the years 1944, 1945 and 1946.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Bridge Tolls Collected.....	\$ 720,080 06	
Sundry Receipts.....	10,620 66	
		\$ 730,700 72

OPERATING EXPENSES—

Administration.....	25,892 69	
Operation.....	61,463 13	
Maintenance.....	25,981 50	
		113,337 32

Operating Income..... 617,363 40

INCOME RECEIVED FROM RESERVE FUNDS..... 17,644 10

MISCELLANEOUS INCOME CREDITS..... 556 76

18,200 86

Total Income..... 635,564 26

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	17,644 10	
Trustees' Fees, Commissions, etc.....	54,551 35	
Bond Discount.....	8,846 16	
		81,041 61

Income Available for Interest due Public..... 554,522 65

INTEREST ON DEBT TO THE PUBLIC..... 950,000 00

395,477 35

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	15,000 00	
Reserve for Depreciation.....	166,155 13	
Interest due Dominion Government.....	323,450 80	
		504,605 93
		900,083 28

Deduct—

Proportion of Deficit Payable by:		
Province of Quebec.....	150,000 00	
City of Montreal.....	150,000 00	
		300,000 00

Net Income Deficit..... \$ 600,083 28

Jacques Cartier Bridge—Montreal BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS

ASSETS		LIABILITIES	
FIXED—		DEBENTURE INDEBTEDNESS TO PUBLIC—	
Bridge Structure, Right-of-Way, etc.	\$18,585,807 21	Forty-year 5% First Mortgage	Guaranteed Gold Bonds,
		Maturing 1st November, 1969.	\$19,000,000 00
CURRENT—		DOMINION GOVERNMENT ACCOUNT—	
Cash—Receiver General of Canada \$	84,772 88	Advances to meet Interest on Bonds.	6,822,031 00
Cash—On Hand.	2,611 75	CURRENT—	
Cash in Bank—Coupon Account.	35,017 50	Accounts Payable.	11,136 86
Accounts Receivable.	7,492 01	Salaries and Wages Payable.	2,303 08
Province of Quebec—		Matured Interest due Dominion Government.	2,807,099 17
On Account of Deficit.	450,000 00	Matured Interest due Public—Contra.	35,017 50
City of Montreal—		Accrued Interest due Public.	158,333 34
On Account of Deficit.	450,000 00		
Stores on Hand.	907,492 01	RESERVES—	3,013,889 95
	599 33	Replacement—General.	351,451 13
	1,030,493 47	Replacement—Painting.	263,910 13
		Depreciation.	2,492,183 81
REPLACEMENT FUND.	615,361 26		
		DEFERRED CREDITS.	3,107,545 07
MISCELLANEOUS FUNDS.	68,341 39		379 17
			31,943,845 19
BOND DISCOUNT SUSPENSE ACCOUNT.	201,988 02	SURPLUS AND DEFICIT ACCOUNT	
		Deficit as at December 31, 1945.	10,839,213 79
PREPAID CHARGES.	2,441 38	Net Income Deficit for 1946.	600,083 28
Deferred Debits.	115 39		11,439,297 07
	\$20,504,548 12		\$20,504,548 12

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with a storage capacity of 5,500,000 bushels with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....	7,457,193	5,659,845	13,117,038
1945.....	14,432,839	13,095,924	27,528,763
1944.....	10,319,022	4,348,763	14,667,785
1943.....	1,870,683	373,085	2,243,768
1942.....	1,908,275	936,989	2,845,264
<i>Via rail—</i>			
1946.....	363,237	2,524,916	2,888,153
1945.....	415,870	4,089,029	4,504,899
1944.....	873,558	3,729,292	4,602,850
1943.....	336,820	4,021,431	4,358,251
1942.....	465,886	2,086,328	2,552,214
<i>Via other—</i>			
1946.....		614,616	614,616
1945.....		530,985	530,985
1944.....		480,792	480,792
1943.....		212,077	212,077
1942.....		92,702	92,702
<i>Total—</i>			
1946.....	7,820,430	8,799,377	16,619,807
1945.....	14,848,709	17,715,938	32,564,647
1944.....	11,192,580	8,558,847	19,751,427
1943.....	2,207,503	4,606,593	6,814,096
1942.....	2,374,161	3,116,019	5,490,180

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$22,033. The major items were repairs to electrical and signal equipment, marine towers, marine legs, shovel gear, lofters and conveyors and the installation of a new heating boiler and renovation of the heating system.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$111,911, as compared with \$195,723 in 1945. Expenditures on operation and maintenance were \$101,812, as against \$119,422 in 1945.

Net income surplus for the year was \$18,281, as against \$82,778 in 1945, a decrease of \$64,497. No charge for interest or depreciation of property is made in the accounts of this facility.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Harbour General			
Miscellaneous.....	\$	287 00	
Wharves and Piers			
Top Wharfage.....	\$	2,773 05	
Miscellaneous.....		71 25	
		<hr/>	2,844 30
Railway System.....			259 00
Grain Elevator System			
Elevation.....		66,569 51	
Storage.....		27,342 55	
Miscellaneous.....		14,629 07	
		<hr/>	108,541 13
			<hr/>
			\$ 111,911 43

OPERATING EXPENSES—

Administration.....	19,999 84	
Operation and Maintenance		
Grain Elevator System.....	81,812 22	
	<hr/>	101,812 06
Operating Income.....		<hr/>
		10,099 37

MISCELLANEOUS INCOME CREDITS.....	8,607 08
Total Income.....	<hr/>
	18,706 45

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	425 65
Net Income Surplus.....	<hr/>
	\$ 18,280 80

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS

Fixed—	
Wharves and Piers.....	\$ 961,260 11
Railway System.....	373,248 47
Grain Elevator System.....	3,549,717 17
Office Furniture and Appliances.....	2,611 69
Miscellaneous Small Plant.....	2,036 77
	<u>\$ 4,888,874 21</u>

CURRENT—

Cash—Receiver General of Canada \$ 31,395 61	
Cash—On Hand.....	92 58
	<u>31,488 19</u>
Accounts Receivable.....	5,171 92
Stores on Hand.....	8,570 68
Accrued Revenue.....	965 37
Other Assets.....	1,066 25
	<u>47,262 41</u>

PREPAID CHARGES.....	21 23
DEFERRED DEBITS.....	87 74
	<u>\$ 4,936,245 59</u>

LIABILITIES

Dominion Government Account—	
Expenditure under Appropriations.....	\$ 4,895,939 56
CURRENT—	
Accounts Payable.....	\$ 1,455 49
Salaries and Wages Payable.....	926 30
Unclaimed Wages.....	34
	<u>2,382 13</u>
DEFERRED CREDITS.....	92 31
	<u>4,898,414 00</u>

SURPLUS AND DEFICIT ACCOUNT—	
Surplus as at December 31, 1945.....	102,329 16

Net Income Surplus for 1946.....	18,280 80
	<u>120,609 96</u>

Deduct—	
Payment to Dominion Government on account of Surplus Earnings.....	82,778 37
	<u>37,831 59</u>

	<u>\$ 4,936,245 59</u>
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PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....	19,618,350	15,143,725	34,762,075
1945.....	27,607,688	22,774,250	50,381,938
1944.....	9,065,125	6,424,015	15,489,140
1943.....	4,058,365	278,455	4,336,820
1942.....	4,702,131	1,523,043	6,225,174
<i>Via rail—</i>			
1946.....	4,523	4,292,909	4,297,432
1945.....		2,714,152	2,714,152
1944.....	1,614	2,441,184	2,442,798
1943.....		4,325,750	4,325,750
1942.....		2,653,044	2,653,044
<i>Via other—</i>			
1946.....		272,319	272,319
1945.....		1,730,209	1,730,209
1944.....		185,298	185,298
1943.....		63,965	63,965
1942.....		80,096	80,096
<i>Total—</i>			
1946.....	19,622,873	19,708,953	39,331,826
1945.....	27,607,688	27,218,611	54,826,299
1944.....	9,066,739	9,050,497	18,117,236
1943.....	4,058,365	4,668,170	8,726,535
1942.....	4,702,131	4,256,183	8,958,314

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$32,216. The major items were overhauling automatic scales and repairs to shovel gear, carhaul, marine legs, lofters, conveyors, vessel loading spouts, inside electrical circuits and building structure.

CAPITAL WORKS

Capital expenditure amounted to \$819, consisting of the construction of a steel stairway from the scale floor to the lofterhead floor.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$223,631, as compared with \$292,777 in 1945. Operating and maintenance expenses were \$140,494, the corresponding figure for 1945 being \$145,711.

Net income surplus for 1946 was \$91,753, as against \$149,837 in the previous year, a decrease of \$58,084. No charge is made in the accounts of this facility for interest or depreciation of physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—

Elevation.....	\$155,655 61	
Storage.....	67,670 37	
Miscellaneous.....	304 86	
	<u>\$</u>	223,630 84

OPERATING EXPENSES—

Administration.....	22,952 22	
Operation and Maintenance.....	117,541 80	
	<u></u>	140,494 02
Operating Income.....		83,136 82

MISCELLANEOUS INCOME CREDITS..... 9,730 58

Total Income..... 92,867 40

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	1,114 01	
Net Income Surplus.....	<u>\$</u>	<u>91,753 39</u>

Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	21,875 80	Expenditure under Appropriations.....	\$ 2,356,217 60
Wharves and Piers.....	533,644 00	Government Loans Applied for—Contra.....	819 46
Railway System.....	42,189 22		<u>\$ 2,357,037 06</u>
Grain Elevator System.....	1,765,427 02		
Office Furniture and Appliances.....	2,357 83		
Miscellaneous—Small Plant.....	4,781 80		
Works under Construction.....	819 46		
	<u>\$ 2,371,095 13</u>		
CURRENT—		CURRENT—	
Cash—Receiver General of Canada \$ 97,254 88		Accounts Payable.....	2,323 12
Cash—On Hand.....	325 00	Salaries and Wages Payable.....	1,594 06
			<u>3,917 18</u>
Accounts Receivable.....	97,579 88		
Advances due on Capital Account.....	22,953 34	SURPLUS AND DEFICIT ACCOUNT—	
Stores on Hand.....	819 46	Surplus as at December 31, 1945.....	216,224 20
	<u>26,563 05</u>	Net Income Surplus for 1946.....	91,753 39
	147,915 73		<u>307,977 59</u>
DEFERRED DEBITS.	84 00	Deduct—	
		Payment to Dominion Government on	
		account of Surplus Earnings.....	149,836 97
			<u>158,140 62</u>
			<u>\$ 2,519,094 86</u>

HARBOUR OF CHURCHILL

The Harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels, equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, a locomotive crane of 20 tons capacity, a floating crane of 10 tons capacity, shear legs of 35 tons capacity and a marine slipway capable of handling boats up to 1,200 tons weight.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	21	40,413
1945.....	9	2,146
1944.....	12	4,109
1943.....	35	25,026
1942.....	34	26,315
<i>Departures—</i>		
1946.....	22	40,510
1945.....	9	2,146
1944.....	12	4,109
1943.....	38	25,809
1942.....	34	26,254

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparison for 1945.

	1946		1945	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	12	39,619	1	1,502
Coastal or inland commercial (including fishery).....	9	794	8	644
Total.....	21	40,413	9	2,146
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	12	39,619	1	1,502
Coastal or inland commercial (including fishery).....	10	891	8	644
Total.....	22	40,510	9	2,146

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1946, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	37	91,641	91,678
1945.....			
1944.....	20	280	300
1943.....		22,207	22,207
1942.....			
<i>Domestic—</i>			
1946.....	56	2,010	2,066
1945.....	30	1,077	1,107
1944.....	45	1,103	1,148
1943.....	1,232	10,288	11,520
1942.....	122	26,563	26,685
<i>Total—</i>			
1946.....	93	93,651	93,744
1945.....	30	1,077	1,107
1944.....	65	1,383	1,448
1943.....	1,232	32,495	33,727
1942.....	122	26,563	26,685

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....		2,928,876	2,928,876
1945.....			
1944.....			
1943.....		740,219	740,219
1942.....			
<i>Via rail—</i>			
1946.....	1,093,881		1,093,881
1945.....			
1944.....			
1943.....			
1942.....			
<i>Via other—</i>			
1946.....		60	60
1945.....		90	90
1944.....		25	25
1943.....			
1942.....			
<i>Total—</i>			
1946.....	1,093,881	2,928,936	4,022,817
1945.....		90	90
1944.....		25	25
1943.....		740,219	740,219
1942.....			

MAINTENANCE AND CAPITAL EXPENDITURES

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$33,900. This included repairs to no. 2 boiler in the powerhouse, repairs to grain loading spouts, painting conveyor galleries and general maintenance of all facilities.

CAPITAL EXPENDITURES

Capital expenditures amounted to \$3,562, for the purchase of a $\frac{1}{2}$ -ton panel truck and a 3-ton truck.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$72,713, as compared with \$66,785 in 1945. Expenditures on operation and maintenance were \$173,225, as against \$152,666 in 1945.

After taking into account income credits and debits, there was a net income deficit of \$101,010, as compared with a deficit of \$86,218 shown in 1945, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Harbour General		
Harbour Dues.....	\$ 74 00	
Miscellaneous.....	1,200 00	
	<u>\$</u>	1,274 00
Wharves and Piers		
Top Wharfage.....	694 82	
Dockage.....	2,800 00	
	<u></u>	3,494 82
Permanent Sheds		
Storage.....		991 27
Grain Elevator System		
Elevation.....	21,645 73	
Storage.....	3,663 11	
Miscellaneous.....	10,387 01	
	<u></u>	35,695 85
Miscellaneous—Outsiders.....		31,257 12
		<u>\$ 72,713 06</u>

OPERATING EXPENSES—

Administration.....		25,781 32
Operation and Maintenance		
Harbour Dredging.....	9,245 37	
Harbour General.....	14,021 27	
Roads, Fences and Boundaries.....	3,905 05	
Wharves and Piers.....	5,922 47	
Permanent Sheds.....	1,643 74	
Railway System.....	900 00	
Grain Elevator System.....	83,208 85	
Miscellaneous—Outsiders.....	28,597 13	
	<u></u>	147,443 88
		<u>173,225 20</u>
Operating Deficit.....		100,512 14

MISCELLANEOUS INCOME CREDITS.....

10 00
100,502 14

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Miscellaneous Income Charges.....	147 97
	<u>100,650 11</u>

OTHER INCOME REQUIREMENTS—

Interest due Dominion Government.....	359 40
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Net Income Deficit.....\$ 101,009 51

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1946

HARBOUR OF CHURCHILL

65

ASSETS

FIXED—		LIABILITIES	
Harbour Dredging.....	\$ 1,180,299 95	DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	60,277 58	Loans and Advances (Interest bearing).....	\$ 13,821 25
Miscellaneous Structures.....	173,228 40	Expenditure under Appropriations.....	12,895,940 57
Wharves and Piers.....	1,367,708 68		<u>\$12,909,761 82</u>
Permanent Sheds.....	200,594 74	CURRENT—	
Railway System.....	23,097 68	Accounts Payable.....	2,407 77
Grain Elevator System.....	4,133,460 34	Salaries and Wages Payable.....	5,811 96
Harbour Buildings.....	147,300 05	Matured Interest due Dominion Government..	1,436 58
Harbour Shops.....	13,299 71		<u>9,656 31</u>
Water Supply System.....	407,897 10	DEFERRED CREDITS.....	
Electric Power System.....	19,491 34		<u>4,928 09</u>
Floating Equipment.....	758,379 91		<u>12,924,346 22</u>
Shore Equipment.....	3,562 27	SURPLUS AND DEFICIT ACCOUNT—	
Miscellaneous Small Plant.....	425,072 58	Surplus as at December 31, 1945.....	5,214 37
Engineering—General Surveys.....	109,441 06	Government Grant re 1946 Deficit.....	100,650 11
Sundry Expenditure (Undistributed).....	3,774,378 35		<u>105,864 48</u>
	<u>\$12,797,549 74</u>		

CURRENT—		DEDUCT—	
Cash—Receiver General of Canada \$	29,845 95	Net Income Deficit for 1946.....	112,575 63
Cash—On Hand.....	728 12		<u>6,711 15</u>
	<u>30,574 07</u>		
Accounts Receivable.....	11,070 59		
Advances due on Deficit Account.....	16,081 11		
Stores on Hand.....	61,517 14		
Accrued Revenue.....	839 42		
	<u>120,082 33</u>		
	3 00		
	<u>\$12,917,635 07</u>		
PREPAID CHARGES.....			
			<u>\$12,917,635 07</u>

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year round, has a minimum depth of 35 feet. The Board has 3 piers, a wharf and two jetties, having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,779,500 bushels, a combined loading capacity of about 200,000 bushels per hour and 1½ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish. A 40-ton fixed derrick is installed on Lapointe pier.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1946.....	26,571	11,318,914
1945.....	24,597	9,824,176
1944.....	24,530	9,081,029
1943.....	24,772	8,519,256
1942.....	26,997	9,294,511
<i>Departures—</i>		
1946.....	26,689	11,340,763
1945.....	24,801	9,805,637
1944.....	24,525	9,312,621
1943.....	24,858	8,799,244
1942.....	26,924	9,535,149

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1946, with comparison for 1945.

	1946		1945	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	787	3,320,918	514	2,126,097
Coastal or inland commercial (including fishery).....	25,784	7,997,996	24,083	7,698,079
Total.....	26,571	11,318,914	24,597	9,824,176
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	807	3,340,212	515	2,111,352
Coastal or inland commercial (including fishery).....	25,882	8,000,551	24,286	7,694,285
Total.....	26,689	11,340,763	24,801	9,805,637

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1946, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1946.....	1,715,490	2,519,447	4,234,937
1945.....	1,428,889	1,671,379	3,100,268
1944.....	1,515,019	1,225,246	2,740,265
1943.....	1,264,257	576,246	1,840,503
1942.....	1,388,675	387,956	1,776,631
<i>Domestic—</i>			
1946.....	2,663,773	1,345,871	4,009,644
1945.....	2,688,433	1,203,821	3,892,254
1944.....	2,772,580	1,298,445	4,071,025
1943.....	2,601,924	1,207,407	3,809,331
1942.....	2,806,720	1,206,817	4,013,537
<i>Total—</i>			
1946.....	4,379,263	3,865,318	8,244,581
1945.....	4,117,322	2,875,200	6,992,522
1944.....	4,287,599	2,523,691	6,811,290
1943.....	3,866,181	1,783,653	5,649,834
1942.....	4,195,395	1,594,773	5,790,168

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo inloaded from and loaded to vessels during calendar year 1946, with comparison for 1945.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	2,410	1,718,394	1,720,804	912,610
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	917,930	111,509	1,029,439	1,035,069
Petroleum Oil, crude.....	865,037	.....	865,037	921,442
Petroleum Oil, fuel.....	449,273	324,007	773,280	516,956
Lumber (Planks, Boards and Flooring) and Square Timber.....	484,943	276,507	761,450	789,804
Sand and Gravel.....	364,997	15,086	380,083	234,241
Paper, newsprint.....	224,006	29,114	253,120	228,792
Gasoline.....	102,428	119,189	221,617	224,058
Coal, bituminous.....	137,521	52,333	189,854	209,649
Flour, wheat.....	3	176,919	176,922	104,805
Wond-pulp.....	146,167	18,326	164,493	184,069
Fish (including Shell-fish) canned or preserved.....	35,686	66,751	102,437	86,409
Fertilizers and Fertilizer Materials.....	7,985	67,256	75,241	68,626
Cement, common or portland.....	68,597	5,953	74,550	55,742
Hog Fuel.....	.....	68,335	68,335	85,669
Rock and Stone.....	3,045	60,581	63,626	5,329
Kerosene.....	35,408	15,614	51,022	16,559
Sugar, raw.....	39,534	.....	39,534	81,625
Copra.....	35,779	.....	35,779	19,768
Wool, unmanufactured, and Wool Yarns.....	35,108	.....	35,108	16,779
Fish (including Shell-fish), fresh or frozen.....	29,567	220	29,787	26,236
Paper not otherwise specified.....	12,623	16,587	29,210	78,485
Motor Vehicles and Parts.....	5,811	22,239	28,050	70,706
Lime.....	26,759	798	27,557	29,824

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1946	Outward 1946	Total 1946	Total 1945
	(Tons)	(Tons)	(Tons)	(Tons)
Salt.....	18,682	7,523	26,205	12,493
Sugar, refined.....	11,981	10,302	22,283	14,929
Beverages, alcoholic.....	6,680	14,727	21,407	19,790
Chemicals not otherwise specified.....	8,139	9,619	17,758	10,652
Petroleum Oil, refined, not otherwise specified.....	3,196	12,203	15,399	10,520
Machinery and Parts (except Agricultural).....	3,594	10,307	13,901	34,389
Box, Crate and Cooperage materials, wooden.....	1,679	11,695	13,374	19,965
Coffee Beans and Coffee Preparations.....	12,919	189	13,108	70
Lead and Lead Manufactures.....	61	12,292	12,353	5,472
Zinc Spelter.....	9	11,758	11,767	5,059
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	159	10,149	10,308	2,712
Sulphur.....	7,233	1,942	9,175	12,926
Livestock.....	8,009	777	8,786	11,243
Fish (including Shell-fish), dried, pickled, salted or smoked.....	3,580	5,191	8,771	208
Bananas.....	7,773	30	7,803	.....
Apples.....	.....	7,787	7,787	7,244
Fruits, dried.....	7,019	19	7,038	6,879
Tin and Tin Manufactures.....	22	6,939	6,961	8,806
Milk, condensed, evaporated or powdered.....	8	6,632	6,640	4,248
Brick.....	4,791	1,782	6,573	5,805
Jute and Jute Manufactures.....	5,673	770	6,443	5,892
Ores and Concentrates not otherwise specified.....	4,986	947	5,933	7,807
Feed, animal or poultry, not otherwise specified.....	53	5,837	5,890	4,084
Tallow, inedible.....	5,573	5	5,578	6,871
Containers—returned empty.....	3,869	1,131	5,000	4,689
All Goods not otherwise specified.....	222,958	549,047	772,005	766,517
TOTAL.....	4,379,263	3,865,318	8,244,581	6,992,522

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1946, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1946.....	844	5,404	6,248
1945.....	591	220	811
1944.....	247	34	281
1943.....	233	49	282
1942.....	42	86	128
<i>Coastwise—</i>			
1946.....	942,297	955,383	1,897,680
1945.....	967,983	973,899	1,941,882
1944.....	933,839	932,328	1,866,167
1943.....	923,395	920,234	1,843,629
1942.....	806,023	807,287	1,613,310
<i>Total—</i>			
1946.....	943,141	960,787	1,903,928
1945.....	968,574	974,119	1,942,693
1944.....	934,086	932,362	1,866,448
1943.....	923,628	920,283	1,843,911
1942.....	806,065	807,373	1,613,438

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1946, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1946.....	86,016	57,629,111	57,715,127
1945.....		32,000,960	32,000,960
1944.....		14,552,674	14,552,674
1943.....		4,853,270	4,853,270
1942.....		2,152,971	2,152,971
<i>Via rail—</i>			
1946.....	62,308,200	8,368,282	70,676,482
1945.....	34,655,617	8,612,136	43,267,753
1944.....	20,137,598	4,952,067	25,089,695
1943.....	9,094,135	5,433,190	14,527,325
1942.....	4,426,993	3,462,244	7,889,237
<i>Via other—</i>			
1946.....	2,290		2,290
1945.....	22,649		22,649
1944.....	18,839		18,839
1943.....	13,468		13,468
1942.....	101,506		101,506
<i>Total—</i>			
1946.....	62,396,506	65,997,393	128,393,899
1945.....	34,678,266	40,613,096	75,291,362
1944.....	20,156,437	19,504,771	39,661,208
1943.....	9,107,603	10,286,460	19,394,063
1942.....	4,528,499	5,615,215	10,143,714

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1946, with comparison for 1945.

	1946	1945
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	15,090	16,635
Non-revenue cars.....	6,228	4,763
Total.....	21,318	21,398
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	5,943	4,766
Non-revenue cars.....	14,803	16,337
Total.....	20,746	21,103
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	19,153	15,727
Non-revenue cars.....	18,652	14,668
Total.....	37,805	30,395
<i>Switched locally—</i>		
Revenue cars.....	706	984
Non-revenue cars.....	151	464
Total.....	857	1,448
<i>Total—</i>		
Revenue cars.....	40,892	38,112
Non-revenue cars.....	39,834	36,232
Total.....	80,726	74,344

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$147,094 excluding maintenance of Second Narrows bridge, upon which \$14,886 was expended. The principal items were repairs to the trolley wire system at Granville island, wiring renewals and repairs to Ballantyne pier cargo cranes, deck and trackage renewals on Ballantyne pier, renewal of door guides, painting and repairs to roofs of Ballantyne sheds, cleaning and painting of oil tanks at Lapointe pier, repairs to substructure of Lapointe pier, renewal of fender piles at Dunlevy Avenue wharf, repairs to fish wharf, roof repairs and painting of sheds at fish wharf, repairs to and overhaul of terminal railway rolling stock, installation of a new diamond on the terminal railway, alterations to boat spout winches at No. 1 jetty, painting Lynn Creek bridge, spot painting Second Narrows bridge and dredging at No. 1 and No. 3 jetties.

CAPITAL WORKS

Capital expenditure, part of which was provided from replacement fund, amounted to \$46,682. The principal items were an addition to ice-making plant at the fish wharf, the installation of a loudspeaker system on First and Second Narrows bridges for signalling to vessels, the construction of lunch rooms for maintenance forces at Granville island and Ballantyne pier, the provision of gangway extensions for various wharves, the installation of a power cable and telltale for the 40-ton derrick at Lapointe pier and the purchase of a tractor crane, an ash scow and complete first aid equipment.

REVENUES AND EXPENDITURES

Operating revenues were \$2,184,238, as compared with \$2,199,550 in 1945, a decrease of \$15,312. Operating and maintenance expenses showed a decrease of \$37,770, the comparable figures being \$918,664 in 1946 and \$956,434 in 1945.

After taking into account income debits and credits and making provision for replacements and interest due the Dominion Government, there was a net deficit of \$154,995, as compared with a deficit of \$192,218 in 1945.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Harbour General		
Harbour Dues.....	\$ 101,015 91	
Cargo Rates.....	605,767 17	
Miscellaneous.....	422,960 10	
	<hr/>	\$ 1,129,743 18
Wharves and Piers		
Top Wharfage.....	191,238 28	
Dockage.....	26,272 50	
Miscellaneous.....	9,223 16	
	<hr/>	229,733 94
Permanent Sheds		
Shed Rentals.....	20,985 00	
Storage.....	122,670 51	
Miscellaneous.....	12,413 15	
	<hr/>	156,068 66
Railway System.....		264,858 63
Grain Elevator System		
Rentals.....		346,763 18
Cold Storage System		
Storage.....	2,292 00	
Miscellaneous.....	19,538 00	
	<hr/>	21,830 00
Miscellaneous—Outsiders.....		35 240 44
		<hr/>
		\$ 2,184,238 03

OPERATING EXPENSES—

Administration.....		144,290 08
Operating and Maintenance—		
Harbour Dredging.....	7,833 71	
Harbour General.....	280,411 92	
Roads, Fences and Boundaries.....	1,343 06	
Wharves and Piers.....	67,292 98	
Permanent Sheds.....	95,648 62	
Shed Hoists.....	771 46	
Railway System.....	251,155 47	
Grain Elevator System.....	20,351 23	
Cold Storage System.....	20,258 02	
Miscellaneous—Outsiders.....	29,307 63	
	<hr/>	774,374 10
		<hr/>
		918,664 18
Operating Income.....		<hr/>
		1,265,573 85

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 186,564 47

MISCELLANEOUS INCOME CREDITS..... 33,962 44

220,526 91

Total Income..... 1,486,100 76

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	185,429 23	
Reserve for Bad Debts.....	530 10	
	<hr/>	185,959 33
		<hr/>
		1,300,141 43

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	250,000 00	
Interest due Dominion Government.....	1,205,136 66	
	<hr/>	1,455,136 66
Net Income Deficit.....		<hr/>
		\$ 154,995 23

Harbour of Vancouver BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS

Fixed—	
Harbour Dredging.....	\$ 2,237 34
Real Estate.....	6,638,496 93
Vehicular Bridges.....	98,181 20
Roads, Fences and Boundaries.....	284,491 77
Miscellaneous Structures.....	12,856 90
Wharves and Piers.....	7,940,225 81
Permanent Sheds.....	1,437,356 96
Railway System.....	1,316,601 59
Grain Elevator System.....	6,572,482 61
Cold Storage System.....	69,509 48
Office Furniture and Appliances.....	35,354 54
Harbour Buildings.....	57,855 38
Water Supply System.....	28,836 29
Floating Equipment.....	261,040 98
Shore Equipment.....	45,660 73
Miscellaneous Small Plant.....	3,084 59
Engineering—General Surveys.....	51,643 99
Works under Construction.....	\$24,856,777 34

CURRENT—	
Cash—Receiver General of Canada \$ 498,230 46	
Cash—On Hand.....	12,478 72

Accounts Receivable.....	290,868 11
Less—Reserve for Bad Debts.....	12,464 82
Advances due on Capital Account.....	278,403 29
Stores on Hand.....	48,375 81
Accrued Revenue.....	51,987 31

SECOND NARROW'S BRIDGE—EQUITY	
INVESTMENTS.....	890,325 94
SECURITY DEPOSITS.....	579,113 56
REPLACEMENT FUND.....	44,728 64
FIRE AND GENERAL INSURANCE FUND.....	10,641 48
MISCELLANEOUS FUNDS.....	5,717,997 98
PREPAID CHARGES.....	72,916 17
DEFERRED DEBITS.....	43,634 92
	2,342 92
	12,354 68

\$32,230,833 59

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$24,945,451 93
Expenditure under Appropriations.....	2,237 34
Govt. Loans Applied for (Contra).....	850 35
ACCOUNTS PAYABLE—CONSTRUCTION.....	\$24,948,539 62
	20,779 00

CURRENT—	
Accounts Payable.....	127,239 32
Salaries and Wages Payable.....	7,655 18
Matured Interest due Dominion Government.....	5,295,025 08
Unclaimed Wages.....	416 93
	5,430,336 51

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	10,641 48
--	-----------

RESERVES—	
Replacement.....	5,718,686 30
Fire and General Insurance.....	72,916 17
Miscellaneous.....	18,814 85
	5,810,417 32

DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	100,093 45
	36,320,807 38

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1945.....	3,937,473 62
Net Income Deficit for 1946.....	154,995 23
	4,092,468 85
Deduct—Adjustments in 1946.....	2,495 06
	4,089,973 79

\$32,230,833 59

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge during calendar year 1946, with comparison for 1945.

	1946	1945
Passengers in Vehicles and Pedestrians.....	2,436,426	2,581,401
Automobiles (Passenger).....	773,276	739,493
Trucks, including Buses.....	339,546	285,416
All others.....	2,221	1,365

REVENUES AND EXPENDITURES

Operating revenues amounted to \$189,076, as compared with \$169,701 in 1945, an increase of \$19,375. Operating and maintenance expenses were slightly below those of the previous year, the comparable figures being \$61,925 for 1946 and \$63,677 for 1945.

After charging interest on debt to Vancouver harbour, the bridge showed a surplus for the year of \$93,519, as compared with \$68,642 in 1945.

The surplus of \$93,519 was applied, in accordance with the agreement under which the bridge was acquired by the Board's predecessors, against the expenditure incurred on the reconstruction of the bridge. To date the amount so applied totals \$431,294. The unpaid balance of reconstruction cost at December 31, 1946, was \$579,114, of which \$55,091 represented matured and unpaid instalments.

INCOME STATEMENT FOR THE CALENDAR YEAR 1946

OPERATING REVENUES—

Bridge Tolls.....	\$ 186,047 48	
Sundry Receipts.....	3,028 65	
		\$ 189,076 13

OPERATING EXPENSES—

Administration.....	5,269 28	
Operation.....	41,769 44	
Maintenance.....	14,886 35	
		61,925 07
Operating Income.....		127,151 06

INCOME RECEIVED FROM RESERVE FUNDS.....	2,141 42
Total Income.....	129,292 48

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserve.....	2,141 42
	127,151 06

INTEREST ON DEBT TO VANCOUVER HARBOUR.....	33,631 65
Operating Surplus (Before providing for instalments of principal).....	\$ 93,519 41

Second Narrows Bridge—Vancouver BALANCE SHEET AS AT DECEMBER 31, 1946

ASSETS

FIXED—		CAPITAL—		LIABILITIES	
Capital Cost of Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured Balance.....	\$ 524,022 68		
Office Furniture and Appliances.....	497 50				
CURRENT—		CURRENT—			
Cash—Receiver General of Canada \$ 260 11		Accounts Payable.....	\$ 122 21		
Cash—On Hand.....	863 20	Ticket Liability.....	4,048 97		
		Vancouver Harbour—Matured Instalment Unpaid.....	55,090 88		
				59,862 06	
Accounts Receivable.....	1,123 31	RESERVES—			
Accrued Revenue.....	512 35	Replacement.....		76,205 05	
					8 33
		DEFERRED CREDITS.....			660,098 12
	2,068 54				
REPLACEMENT FUND.....		SURPLUS ACCOUNT (Representing Repayment of Principal out of Income)—			
		Balance as at December 31, 1945.....	337,774 83		
PREPAID CHARGES.....	76,205 05				
	2,213 47	Add—			
		Operating Surplus for 1946 applied to Repayment of Principal.....	93,519 41		
				431,294 24	
					\$ 1,091,392 36

This Balance Sheet is drawn up so as to reflect the terms of an Agreement, dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners.

HEAD OFFICE, OTTAWA

Statement of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

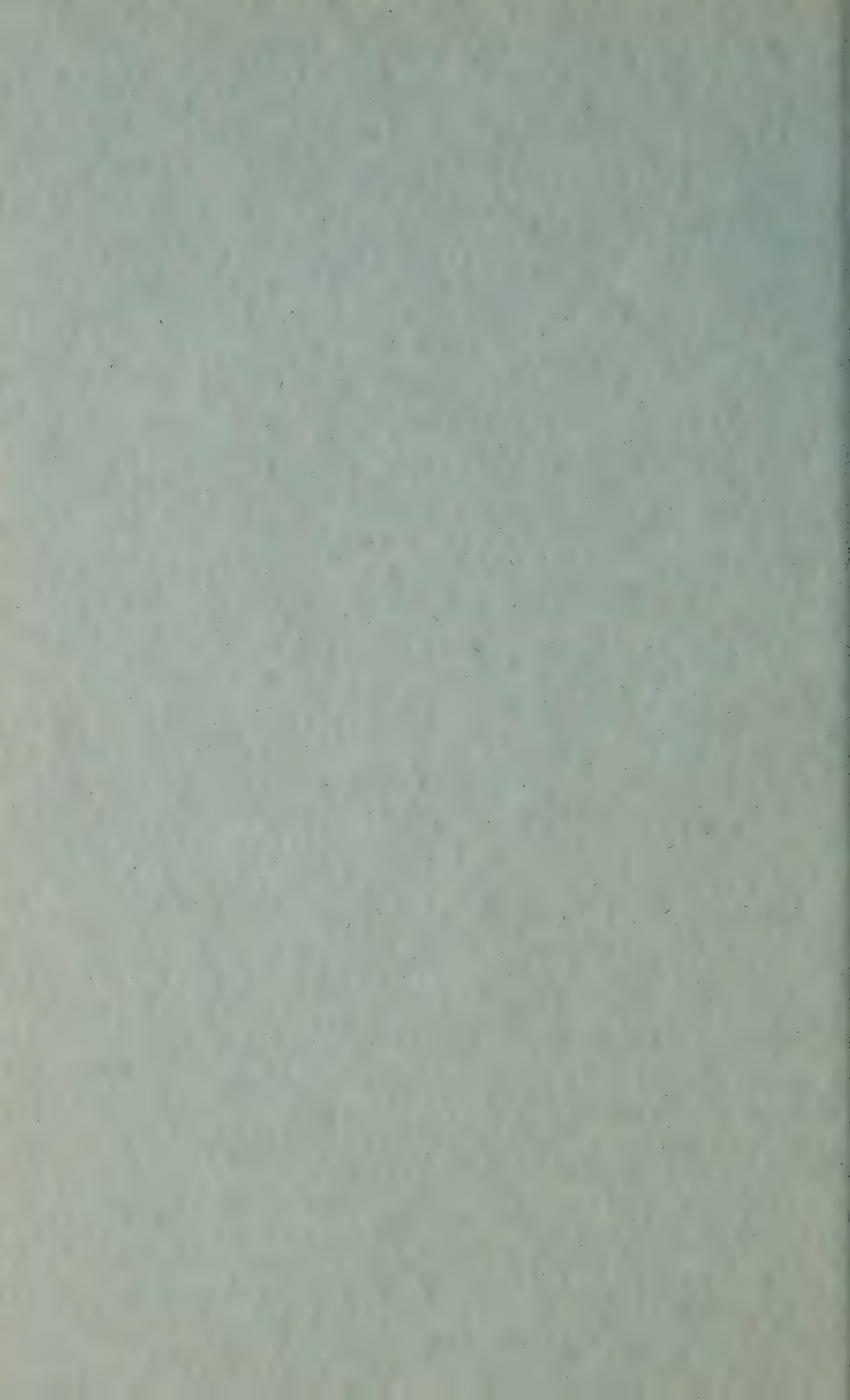
REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1946

REVENUE—

Assessments.....	\$	155,551 10
------------------	----	------------

EXPENDITURE—

Salaries.....	\$	112,021 73
Travelling Expenses.....		6,684 44
Advertising.....		2,452 00
Office Expenses.....		18,064 98
Treasury Office—Salaries and Expenses.....		16,327 95
	\$	155,551 10



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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

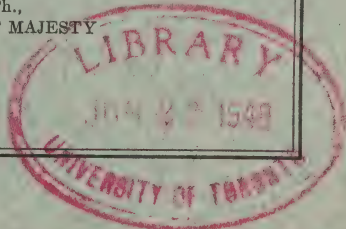
1947



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.Ph.,
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
CONTROLLER OF STATIONERY

1948

Price, 25 cents



ANNUAL REPORT

OF THE

NATIONAL HARBOURS
BOARD

For Calendar Year

1947



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.Ph.,
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
CONTROLLER OF STATIONERY

■ 1948

NATIONAL HARBOURS BOARD

R. K. Smith, K.C.....	Chairman.
J. E. St. Laurent, C.M.G., M.E.I.C.....	Vice-Chairman.
B. J. Roberts, C.B.E.....	Member.

F. W. Riddell.....	Executive Secretary.
C. P. Buckley.....	Assistant Secretary.
T. M. Bryson, M.B.E.....	Assistant Secretary.
E. G. Cameron, M.E.I.C.....	Chief Engineer.
W. C. Perron.....	Traffic Officer.

Halifax.....	R. W. Hendry, M.B.E.....	Port Manager.
Saint John.....	Russell Yuill, M.B.E., M.E.I.C....	Port Manager.
Chicoutimi.....	Jean Côté.....	Acting Port Manager.
Quebec.....	Louis Beaudry, M.E.I.C.....	Port Manager and Chief Engineer.
Three Rivers.....	J. R. Larivière.....	Port Manager.
Montreal.....	A. G. Murphy, M.E.I.C.....	Port Manager.
Prescott.....	Alex. Ross.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	A. E. McMaster.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, MARCH 24, 1948.

To the Honourable LIONEL CHEVRIER, K.C., M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the twelfth annual report of the National Harbours Board, covering the operations for the calendar year 1947, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING

Vessel arrivals in 1947 numbered 42,876, the aggregate net registered tonnage being 29,856,603. The comparable figures for 1946 were 39,823 vessels, aggregating 26,878,748 net registered tons. The following statement shows the number and tonnage of vessels which arrived at and departed from harbours under the administration of the Board in the past five years:

VESSELS—ARRIVALS AND DEPARTURES

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	42,876	29,856,603
1946.....	39,823	26,878,748
1945.....	38,467	29,046,089
1944.....	38,042	27,019,836
1943.....	39,041	27,400,898
<i>Departures—</i>		
1947.....	42,692	29,986,725
1946.....	39,955	26,899,044
1945.....	38,724	29,196,004
1944.....	37,983	27,079,680
1943.....	39,177	27,829,502

(Exclusive of naval vessels.)

CARGO TONNAGE

The aggregate cargo tonnage in 1947 at all harbours administered by the Board was 31,163,807, as compared with 27,172,020 in 1946. The increase over the previous year was 3,991,787 tons, or 14 per cent. Every harbour had a greater volume of traffic than in the previous year. Domestic traffic increased by 19 per cent and foreign by 12 per cent.

The following statement summarizes the volume of water-borne cargo tonnage in 1947 and the four previous years:

CARGO TONNAGE—SUMMARY

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1947.....	8,367,607	11,295,790	19,663,397
1946.....	6,629,129	10,873,318	17,502,447
1945.....	6,798,404	13,396,284	20,194,688
1944.....	6,349,777	10,261,692	16,611,469
1943.....	6,411,135	8,763,289	15,174,424
<i>Domestic—</i>			
1947.....	7,561,578	3,938,832	11,500,410
1946.....	6,516,001	3,153,572	9,669,573
1945.....	7,257,650	2,630,609	9,888,259
1944.....	5,807,949	2,846,606	8,654,555
1943.....	5,050,093	2,703,887	7,753,980
<i>Total—</i>			
1947.....	15,929,185	15,234,622	31,163,807
1946.....	13,145,130	14,026,890	27,172,020
1945.....	14,056,054	16,026,893	30,082,947
1944.....	12,157,726	13,108,298	25,266,024
1943.....	11,461,228	11,467,176	22,928,404

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

REVENUES AND EXPENDITURES

OPERATING REVENUES

Operating revenues of all units administered by the Board amounted to \$11,830,910, as compared with \$11,521,551 in 1946. The increase was \$309,359, or 3 per cent. Consequent upon the greater volume of traffic, revenues derived from the use of wharves and sheds were \$317,000 higher than in the previous year, and increased amounts were also received from other sources, including harbour dues, terminal railways, cold storage warehouses and toll bridges. On the other hand, there was a further substantial decline in receipts from grain elevators, amounting to \$242,000. Revenues from miscellaneous services, including floating and shore equipment, also declined.

OPERATING EXPENSES

Expenses of administration, operation and maintenance in 1947 were \$7,010,775, as against \$6,466,606 in 1946, an increase of \$544,169, or 8 per cent. Of the latter amount, \$331,000 is accounted for by additional outlay on maintenance of properties, upon which the total expenditure was \$1,838,000.

Expenses having increased more than revenues, the resulting net operating income was less favourable than in the previous year, the comparable figures being \$4,820,135 in 1947, as against \$5,054,945 in 1946.

After taking into account debits and credits to income, and charging interest and reserve for replacements, the operations for 1947 resulted in a net income deficit of \$2,410,062. This compares with a deficit of \$4,558,678 in 1946. The deficit decreased, therefore, by \$2,148,616. The improved showing is due to the reduction of the interest rate on loans from the Dominion Government to 2½ per cent per annum, effective February 1, 1947, and referred to in detail in our previous report.

Certain accrued and unpaid interest in the amount of \$44,790,355 was cancelled under the same authority as sanctioned the reduction in the interest rate and effect thereto has been given through surplus and deficit account.

TARIFFS OF CHARGES

In August, 1947, grain elevator tariffs were adjusted upwards to place them in line with the maximum rates allowed by the Board of Grain Commissioners. Also, in December last, an increase was made in cold storage charges, warranted by competitive rates and increased costs of operation. Apart from these and minor changes in certain harbour service tariffs, it is noteworthy that, despite the increased costs of labour and materials, no change has been made since before the war in the general scale of charges imposed on vessels and goods in transit, from which sources the large proportion of harbour revenues are derived. Since 1938, the Board's revenues, due largely to greater traffic, have increased about \$2,600,000 annually. In the same period, the costs of operation and maintenance have increased by approximately the same amount, and further increases in current expenses are to be expected.

CONSOLIDATED STATEMENT—SEVEN HARBOURS

The operations of the Board fall into two divisions: first, the seven harbours administered by local commissioners prior to 1936, and secondly, the grain elevators at Prescott and Port Colborne and the harbour of Churchill, which were entrusted to the Board for operation at the beginning of 1937. Consolidated income statements for each of these divisions are set out below.

The seven harbours referred to—Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver—had aggregate operating revenues in 1947 of \$11,267,227, as compared with \$11,113,296 in 1946. The increase was \$153,931, or 1 per cent. Expenses of administration, operation and maintenance increased from \$6,051,075 in 1946 to \$6,464,097 in 1947, the difference being \$413,022, or 6 per cent. Operating income decreased from \$5,062,221 in 1946 to \$4,803,130 in 1947.

After taking into account income debits and credits and charging interest (at the reduced rate) and reserve for replacements, a net income deficit of \$2,430,131 was shown for these harbours in 1947. The corresponding figure for 1946 was \$4,567,703.

The following is a comparative income statement for the seven harbours referred to for each of the years 1943 to 1947 inclusive:—

CONSOLIDATED INCOME STATEMENT

HARBOURS OF HALIFAX, SAINT JOHN, CHICOUTIMI, QUEBEC, THREE RIVERS,
MONTREAL AND VANCOUVER

	1947	1946	1945	1944	1943
OPERATING REVENUES.....	\$11,267,227	\$11,113,296	\$12,840,538	\$11,969,838	\$10,522,624
OPERATING AND MAINTENANCE EXPENSES.....	6,464,097	6,051,075	6,433,449	5,662,772	4,996,630
Operating Income.....	4,803,130	5,062,221	6,407,089	6,307,066	5,525,994
MISCELLANEOUS CREDITS (Net).....	22,938	111,928	54,497	55,936	26,937
Total Income.....	4,826,068	5,174,149	6,461,586	6,363,002	5,552,931
INTEREST DUE PUBLIC.....	1,019,872	1,040,497	1,012,703	1,014,307	1,024,431
	3,806,196	4,133,652	5,448,883	5,348,695	4,528,500
OTHER INCOME REQUIREMENTS—					
Reserve for Replacements.....	1,941,557	1,938,590	1,934,562	1,940,272	1,969,730
Interest due Government.....	4,577,116	7,062,765	7,049,368	7,037,507	7,013,031
	6,518,673	9,001,355	8,983,930	8,977,779	8,982,761
	2,712,477	4,867,703	3,535,047	3,629,084	4,454,261
Deduct—					
Special Contributions to Deficits					
(Bridge—Montreal).....	282,346	300,000	300,000	300,000	300,000
Net Income Deficit.....	\$2,430,131	\$4,567,703	\$3,235,047	\$3,329,084	\$4,154,261

PRESCOTT, PORT COLBORNE AND CHURCHILL

Consolidated income statement for the grain elevators at Prescott and Port Colborne and the harbour of Churchill showed operating revenues of \$563,682 in 1947, as compared with \$408,255 in the previous year. Operating and maintenance expenses were \$546,677 in 1947, as against \$415,531 in 1946. The surplus of revenues over expenditures was \$20,069, as compared with \$9,025 in the previous year. The quantity of grain handled at the Prescott elevator was greater in 1947 than in 1946, but at Port Colborne the quantity was less than in the previous year. The net earnings of these two facilities were about \$23,000 below those of 1946. At the harbour of Churchill, grain shipments were 4,975,000 bushels, the largest in its history. Sixteen ocean vessels transported this grain and a quantity of lumber. As a result of this activity, the 1947 operating deficit of this port was \$67,000, or \$34,000 less than in the previous year. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1947, showing also comparative figures for the preceding four years:

CONSOLIDATED INCOME STATEMENT PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1947	1946	1945	1944	1943
Operating Revenues.....	\$563,682	\$408,255	\$555,285	\$568,481	\$338,457
Operating and Maintenance Expenses.....	546,677	415,531	417,799	336,317	280,944
	17,005	7,276	137,486	232,164	57,513
Other Debits and Credits (Net).....	3,064	16,301	8,911	703	10,545
Net Income Surplus.....	\$20,069	\$9,025	\$146,397	\$231,461	\$68,058

The following statistical record is submitted showing operating revenues, operating expenses and operating income of each unit under the administration of the Board, together with combined totals for all units:

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Halifax.....	1935	500,936	504,851	3,915*
	1936	510,179	433,040	77,139
	1937	581,740	429,472	152,268
	1938	599,856	420,765	179,091
	1939	744,470	420,841	323,629
	1940	1,225,787	547,285	678,502
	1941	1,593,478	803,052	790,426
	1942	1,832,318	889,120	943,198
	1943	1,848,330	1,000,664	847,666
	1944	1,801,217	1,116,104	685,113
	1945	1,653,732	1,033,935	619,797
	1946	1,243,649	834,713	408,936
	1947	1,161,261	800,168	361,093
Saint John.....	1935	322,954	272,860	50,094
	1936	367,448	256,380	111,068
	1937	435,952	240,302	195,650
	1938	445,726	242,544	203,182
	1939	466,004	237,882	228,122
	1940	661,359	258,901	402,458
	1941	776,066	264,971	511,095
	1942	1,133,509	319,114	814,395

* Deficit.

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Saint John.....	1943 1,492,579	440,134	1,052,445
	1944 1,423,537	512,482	911,055
	1945 1,458,507	494,698	963,809
	1946 933,497	459,627	473,870
	1947 945,198	488,756	456,442
Chicoutimi.....	1935 13,328	20,401	7,073*
	1936 21,307	18,639	2,668
	1937 21,750	14,361	7,389
	1938 21,254	13,374	7,880
	1939 20,414	14,078	6,336
	1940 34,139	15,247	18,892
	1941 30,339	16,100	14,239
	1942 30,067	16,887	13,180
	1943 32,016	25,880	6,136
	1944 31,923	18,402	13,521
	1945 30,723	20,719	10,004
	1946 32,666	17,178	15,488
	1947 40,573	21,407	19,166
Quebec.....	1935 466,474	781,758	315,284*
	1936 482,542	673,838	191,296*
	1937 447,780	572,334	124,554*
	1938 488,013	537,316	49,303*
	1939 469,424	492,203	22,779*
	1940 684,988	504,078	180,910
	1941 710,867	583,546	127,321
	1942 620,030	760,012	139,982*
	1943 762,644	643,458	119,186
	1944 913,705	669,903	243,802
	1945 944,190	797,714	146,476
	1946 672,264	678,427	6,163*
	1947 627,732	691,609	63,877*
Three Rivers.....	1935 93,076	47,837	45,239
	1936 122,347	32,191	90,156
	1937 172,309	18,023	154,286
	1938 191,881	33,242	158,639
	1939 165,682	18,147	147,535
	1940 237,924	44,905	193,019
	1941 243,911	38,930	204,981
	1942 185,738	22,603	163,135
	1943 199,023	18,011	181,012
	1944 224,933	55,489	169,444
	1945 294,648	32,165	262,483
	1946 229,882	29,822	200,060
	1947 235,765	50,242	185,523
Montreal.....	1935 4,032,770	2,394,967	1,637,803
	1936 4,238,836	2,209,179	2,029,657
	1937 4,377,350	2,136,800	2,240,550
	1938 4,917,837	2,095,656	2,822,181
	1939 4,469,097	1,987,928	2,481,169
	1940 5,117,818	2,116,681	3,001,137
	1941 5,174,415	2,214,748	2,959,667
	1942 3,797,440	2,167,596	1,629,844
	1943 3,786,305	2,039,507	1,746,798
	1944 4,698,030	2,212,488	2,485,542
	1945 5,484,859	2,928,685	2,556,174
	1946 4,897,323	2,937,201	1,960,122
	1947 4,990,919	3,083,883	1,907,036
Jacques Cartier Bridge—(Montreal).....	1935 347,698	145,439	202,259
	1936 354,867	91,861	263,006
	1937 423,785	84,550	339,235
	1938 445,945	91,785	354,160
	1939 463,124	91,266	371,858
	1940 474,270	103,167	371,103
	1941 589,768	105,870	483,898
	1942 537,406	102,903	434,503
	1943 520,120	97,020	423,100
	1944 600,237	99,098	501,139
	1945 604,629	105,422	499,207
	1946 730,701	113,337	617,364
	1947 835,097	118,779	716,318

* Deficit.

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Prescott.....	1936	173,671	92,715	80,956
	1937	57,257	81,888	24,631*
	1938	68,989	75,204	6,215*
	1939	242,741	74,778	167,963
	1940	284,271	93,384	190,887
	1941	215,606	86,126	129,480
	1942	233,718	82,399	151,319
	1943	112,691	74,418	38,273
	1944	257,750	110,575	147,175
	1945	195,723	119,422	76,301
	1946	111,911	101,812	10,099
	1947	136,750	119,687	17,063
Port Colborne.....	1936	190,723	114,495	76,228
	1937	126,457	99,546	26,911
	1938	249,622	133,319	116,303
	1939	255,659	119,207	136,452
	1940	212,648	91,660	120,988
	1941	164,167	79,937	84,230
	1942	171,280	73,100	98,180
	1943	129,905	74,153	55,752
	1944	239,703	97,106	142,597
	1945	292,777	145,711	147,066
	1946	223,631	140,494	83,137
	1947	208,871	142,265	66,606
Churchill.....	1936	84,443	280,458	196,015*
	1937	6,418	148,331	141,913*
	1938	83,867	136,491	52,624*
	1939	108,264	154,672	46,408*
	1940	70,518	110,184	39,666*
	1941	70,267	102,499	32,232*
	1942	144,782	139,348	5,434
	1943	95,860	132,372	36,512*
	1944	71,028	128,635	57,607*
	1945	66,785	152,666	85,881*
	1946	72,713	173,225	100,512*
	1947	218,061	284,725	66,664*
Vancouver.....	1935	1,537,044	736,554	800,490
	1936	1,792,980	718,997	1,073,983
	1937	1,636,648	708,830	927,818
	1938	1,453,905	566,397	887,508
	1939	1,578,036	590,743	987,293
	1940	1,480,904	568,853	912,051
	1941	1,476,586	568,309	908,277
	1942	1,568,977	588,502	980,475
	1943	1,736,959	670,930	1,066,029
	1944	2,138,666	916,767	1,221,899
	1945	2,199,550	956,434	1,243,116
	1946	2,184,238	918,664	1,265,574
	1947	2,206,235	1,142,027	1,064,208
Second Narrows Bridge—(Vancouver).....	1935	113,168	71,083	42,085
	1936	140,089	60,586	79,503
	1937	164,899	62,611	102,288
	1938	178,039	62,630	115,409
	1939	110,225	57,074	53,151
	1940	117,569	52,480	65,089
	1941	143,955	55,201	88,754
	1942	161,535	58,193	103,342
	1943	144,645	61,024	83,621
	1944	137,585	62,037	75,548
	1945	169,701	63,677	106,024
	1946	189,076	61,925	127,151
	1947	224,447	67,226	157,221
All Units.....	1935	†7,427,448	4,975,750	2,451,698
	1936	8,479,432	4,982,379	3,497,053
	1937	8,452,355	4,598,442	3,853,913
	1938	9,144,935	4,408,724	4,736,211
	1939	9,093,140	4,258,821	4,834,319
	1940	10,602,199	4,506,827	6,095,372
	1941	11,189,428	4,919,289	6,270,139
	1942	10,416,805	5,219,781	5,197,024
	1943	10,861,081	5,277,574	5,583,507
	1944	12,538,318	5,999,089	6,539,229
	1945	13,395,824	6,851,249	6,544,575
	1946	11,521,551	6,466,606	5,054,945
	1947	11,830,910	7,010,775	4,820,135

* Deficit. † Does not include Prescott Elevator, Port Colborne Elevator and Churchill Harbour.

CAPITAL EXPENDITURES

Capital expenditures during 1947 amounted to \$449,861. An additional sum of \$44,186, charged to reserves, was expended on replacements, bringing the total outlay to \$494,047, as follows:

Capital—

Halifax.....	\$	34,797
Saint John.....		20,000
Quebec.....		55,302
Three Rivers.....		2,444
Montreal.....		119,570
Churchill.....		1,751
Vancouver.....		215,997
		<hr/> 449,861

Replacement of Physical Assets—

Halifax.....	\$	888
Saint John.....		24,344
Quebec.....		1,108
Montreal.....		3,771
Vancouver.....		14,075
		<hr/> 44,186
	\$	<hr/> 494,047

Of the expenditures charged to capital, \$439,471 was financed by advances from the Dominion Treasury with interest at $2\frac{3}{4}$ per cent per annum, and the balance of \$10,390 was provided from a special Demobilization and Reconversion vote.

The book value of fixed assets as at December 31, 1947 was \$225,086,718.

Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

The following statement sets out the various amounts required from the Dominion treasury in respect of the Board's operations in 1947, and also the amounts paid to the treasury from Board funds:

*Amounts Required from Dominion Treasury:**Advances:*

Capital expenditures.....	\$	449,861
Working Capital—Quebec.....		45,000

Deficits:

Jacques Cartier Bridge.....		264,000
Harbour of Churchill.....		66,681
Harbour of Quebec.....		70,481
	\$	<hr/> 896,023

Amounts Paid to Dominion Treasury:

Interest on advances.....	\$	2,825,000
Surplus earnings:		
Prescott Elevator (1946).....		18,281
Port Colborne Elevator (1946).....		91,753
Repayment of advances.....		305,829
	\$	<hr/> 3,240,863

RESERVE FUNDS

As at December 31, 1947, reserve funds for replacement of physical assets (as from January 1, 1936) and for insurance and workmen's compensation amounted to \$23,817,708, the accretion in the year to these funds being

\$1,470,592. These reserves consist of cash on deposit with the Receiver General, \$282,879, and investments in authorized securities, book value \$23,534,829 (market value \$24,539,915). The amount of the Board's pension fund at the close of the year was \$2,121,147, on deposit with the Receiver General. In addition, miscellaneous funds, including provision for special maintenance, were held in the amount of \$763,206, represented by cash on deposit with the Receiver General, \$86,724, and authorized investments, book value \$676,482 (market value \$707,889).

As provided by Section 31 of The National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as head office, supplemented by shipping and traffic statistics and information respecting works carried on during the year, are appended to this report.

The Auditor General of Canada has carried on a continuous audit of the accounts.

The Board records, with regret, the retirement from official duty of Alex. Ferguson, Port Manager at Montreal, and K. J. Burns, Port Manager at Vancouver. Both officials have given competent and devoted service for many years. Mr. Ferguson was associated with the Dominion public service for 42 years, the last 20 years of which was with the harbour of Montreal. Mr. Burns' employment with the harbour of Vancouver dates from 1924.

Respectfully submitted,

R. K. SMITH,
Chairman.

F. W. RIDDELL,
Executive Secretary.

J. E. ST. LAURENT,
Vice-Chairman.

B. J. ROBERTS.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Harbour General—

Harbour Dues.....	\$ 213,519 12	
Cargo Rates.....	679,481 01	
Miscellaneous.....	581,740 87	
		\$ 1,474,741 00

Wharves and Piers—

Top Wharfage.....	3,209,045 41	
Dockage.....	1,006,209 02	
Miscellaneous.....	408,893 40	
		4,624,147 83

Permanent Sheds—

Shed Rentals.....	459,890 12	
Storage.....	211,185 90	
Miscellaneous.....	67,734 09	
		738,810 11

Shed Hoists.....

30,595 54

Railway System.....

884,053 50

Grain Elevator System—

Elevation.....	1,058,353 40	
Storage.....	232,723 08	
Rentals.....	246,475 73	
Miscellaneous.....	124,615 98	
		1,662,168 19

Cold Storage System—

Storage.....	621,662 72	
Miscellaneous.....	185,945 19	
		807,607 91

Miscellaneous—Outsiders.....

549,241 87

Bridge Tolls and Sundry Receipts.....

1,059,543 82

\$11,830,909 77

OPERATING EXPENSES—

Administration.....

1,027,242 79

Operation and Maintenance—

Harbour Dredging.....	187,735 60	
Harbour General.....	950,197 65	
Vehicular Bridges.....	7,409 81	
Roads, Fences and Boundaries.....	66,604 79	
Sewers and Drains.....	8,469 78	
Wharves and Piers.....	438,449 78	
Permanent Sheds.....	545,038 60	
Shed Hoists.....	30,920 50	
Railway System.....	1,104,333 25	
Grain Elevator System.....	1,398,652 32	
Cold Storage System.....	614,198 26	
Miscellaneous Outsiders.....	474,093 45	
Bridges.....	157,428 08	
		5,983,531 87

7,010,774 66

Operating Income.....

4,820,135 11

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....

682,737 27

MISCELLANEOUS INCOME CREDITS.....

56,622 22

739,359 49

Total Income.....

5,559,494 60

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	681,602 03	
Reserve for Bad Debts.....	1,470 53	
Miscellaneous Income Charges.....	23,308 36	
Trustees' Fees, Commissions, Bond Discount, etc.....	6,572 20	
		712,953 12

Income Available for Interest due Public.....

4,846,541 48

INTEREST ON DEBT TO THE PUBLIC.....

1,019,872 05

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,775,402 00	
Reserve for Depreciation.....	166,154 63	
Interest due Dominion Government.....	4,577,520 50	
		6,519,077 13

2,692,407 70

Deduct:

Special Contributions to Deficit (Bridge-Montreal).....

282,345 64

Net Income Deficit.....

\$ 2,410,062 06

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,249,552 51	
Real Estate.....	12,785,466 43	
Vehicular Bridges.....	300,573 32	
Roads, Fences and Boundaries.....	1,760,538 47	
Sewers and Drains.....	672,649 21	
Miscellaneous Structures.....	752,634 72	
Wharves and Piers.....	89,483,393 18	
Permanent Sheds.....	20,243,051 07	
Shed Hoists and Electric Cranes.....	248,972 88	
Railway System.....	7,068,682 72	
Grain Elevator System.....	41,863,782 56	
Cold Storage System.....	5,748,839 59	
Office Furniture and Appliances.....	154,838 69	
Harbour Buildings.....	747,147 70	
Central Heating Plants.....	147,491 07	
Harbour Shops.....	335,964 50	
Electric Power System.....	1,168,462 46	
Water Supply System.....	745,436 93	
Floating Equipment.....	1,956,820 03	
Shore Equipment.....	894,215 69	
Miscellaneous Small Plant.....	567,387 38	
Engineering—General Surveys.....	606,402 98	
Works under Construction.....	238,540 77	
Sundry Expenditure—Undistributed.....	5,395,832 05	
Bridge Construction and Right-of-Way.....	18,950,040 77	
		\$225,086,717 68

CURRENT—

Cash.....	2,098,276 75	
Accounts Receivable.....	2,210,853 89	
Advances due on Capital Account.....	20,740 95	
Advances due on Deficit Account.....	75,162 33	
Stores on Hand.....	586,051 99	
Accrued Revenue.....	124,864 14	
Other Assets.....	33,610 43	
		5,149,560 48

INVESTMENTS.....		44,738 88
SECURITY DEPOSITS.....		160,715 69
REPLACEMENT FUND.....	22,094,422 15	
FIRE AND GENERAL INSURANCE FUND.....	1,304,942 84	
GENERAL WORKMEN'S COMPENSATION FUND.....	418,343 52	
PENSION FUND.....	2,121,147 64	
MISCELLANEOUS FUNDS.....	763,205 80	
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	193,141 86	
PREPAID CHARGES.....	24,647 72	
DEFERRED DEBITS.....	96,821 80	
		\$257,458,406 06

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1947

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....		\$20,039,182 35
DOMINION GOVERNMENT ACCOUNT—		
Loans and Advances (Interest Bearing).....	\$157,817,027 22	
Expenditure under Appropriations.....	50,915,071 68	
Government Loans Applied for—Contra.....	20,740 95	
		<u>\$208,752,839 85</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....		70,356 52
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		11,299 17
CURRENT—		
Working Capital Advances.....	45,000 00	
Accounts Payable.....	467,883 27	
Salaries and Wages Payable.....	85,201 81	
Matured Interest Unpaid—		
Due Public.....	21,018 39	
Due Dominion Government.....	26,539,988 45	*
Contractors' Holdbacks—Maintenance.....	4,503 71	
Accrued Interest due Public.....	177,088 33	
Unclaimed Wages.....	1,936 24	
Matured Debentures due Public.....	7,923 75	
Other Current Liabilities.....	4,648 97	
		<u>27,355,192 92</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		160,715 69
RESERVES—		
Replacement.....	24,133,005 16	
Fire and General Insurance.....	1,305,354 61	
General Workmen's Compensation.....	418,343 52	
Pensions.....	2,121,147 64	
Miscellaneous.....	3,324,320 49	
		<u>31,302,171 42</u>
DEFERRED CREDITS.....		215,770 33
		<u>287,907,528 25</u>
SURPLUS AND DEFICIT ACCOUNT—		
Deficit as at December 31, 1946.....	72,991,118 03	
Net Income Deficit for 1947.....	2,410,062 06	
		<u>75,401,180 09</u>
DEDUCT—		
Adjustments in 1947.....	44,952,057 90	
		<u>30,449,122 19</u>
		<u>\$257,458,406 06</u>

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates eight main piers and wharves having about 17,000 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,100,000 square feet. In addition, the Board operates a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,655,350 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	2,319	3,406,482
1946.....	2,409	3,803,472
1945.....	3,160	7,084,222
1944.....	3,700	8,664,488
1943.....	4,430	10,668,407
<i>Departures—</i>		
1947.....	2,319	3,428,103
1946.....	2,414	3,811,116
1945.....	3,219	7,306,431
1944.....	3,630	8,434,027
1943.....	4,444	10,719,497

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparison for 1946.

	1947		1946	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1,097	3,264,208	1,153	3,672,538
Coastal or inland commercial (including fishery).....	1,178	123,647	1,227	111,536
Other.....	44	18,627	29	19,398
Total.....	2,319	3,406,482	2,409	3,803,472
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1,102	3,285,670	1,124	3,650,729
Coastal or inland commercial (including fishery).....	1,172	123,570	1,259	127,978
Other.....	45	18,863	31	32,409
Total.....	2,319	3,428,103	2,414	3,811,116

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1947, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1947.....	1,599,594	1,389,391	2,988,985
1946.....	1,439,930	1,388,881	2,828,811
1945.....	2,476,645	2,683,160	5,159,805
1944.....	2,280,462	3,472,020	5,752,482
1943.....	2,377,871	3,364,989	5,742,860
<i>Domestic—</i>			
1947.....	245,887	342,587	588,474
1946.....	298,512	258,389	556,901
1945.....	324,232	299,007	623,239
1944.....	307,291	198,517	505,808
1943.....	280,258	127,917	408,175
<i>Total—</i>			
1947.....	1,845,481	1,731,978	3,577,459
1946.....	1,738,442	1,647,270	3,385,712
1945.....	2,800,877	2,982,167	5,783,044
1944.....	2,587,753	3,670,537	6,258,290
1943.....	2,658,129	3,492,906	6,151,035

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1947, with comparison for 1946.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Petroleum Oil, crude.....	995,834	.....	995,834	1,007,252
Petroleum Oil, fuel.....	68,309	348,171	416,480	312,570
Gasoline.....	131,845	133,459	265,304	228,649
Coal, bituminous.....	248,039	1,410	249,449	264,807
Grain.....	447	232,593	233,040	221,451
Lumber (Planks, Boards and Flooring) and Square Timber.....	28	177,622	177,650	88,843
Kerosene.....	133,078	6,878	139,956	32,825
Flour, wheat.....	.....	102,649	102,649	180,720
Logs, Masts, Piling, Pit-props, Poles, Posts, Spars and Ties (railway).....	.....	66,014	66,014	95,556
Motor Vehicles and Parts.....	2,493	60,414	62,907	104,008
Wood-pulp.....	13,305	38,867	52,172	22,086
Rubber, crude (including Latex).....	45,841	5,417	51,258	4,461
Paper, newsprint.....	.....	45,132	45,132	10,228
Fish (including Shell-fish) dried, pickled, salted or smoked.....	9,930	30,623	40,553	53,185
Potatoes.....	2	38,016	38,018	19,447
Fish (including Shell-fish) fresh or frozen.....	37,749	67	37,816	55,015
Barytes.....	16,990	18,106	35,096	39,423
Meats, canned, cured, prepared or preserved.....	42	30,181	30,223	58,511
Fertilizers and Fertilizer Materials.....	9,698	17,289	26,987	11,663
Sugar, raw.....	26,716	.....	26,716	53,317
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	705	25,782	26,487	3,133
Grain Products (Mill Products except Wheat Flour).. Salt.....	1	23,829	23,830	33,152
Cement, common or portland.....	17,748	2,338	20,086	15,190
Apples.....	15,309	3,249	18,553	33,618
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....	8	16,860	16,868	36,653
	336	14,809	15,145	8,711

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Beverages, alcoholic.....	3,754	10,490	14,244	12,576
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	14	11,644	11,658	30,441
Copper Concentrates, Matte or Ore.....	22	8,515	8,515	2,225
Meats, chilled, fresh or frozen.....	67,238	8,491	8,513	13,143
All Goods not otherwise specified.....		253,063	320,301	332,853
Total.....	1,845,481	1,731,978	3,577,459	3,385,712

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1947, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1947.....	34,637	14,393	49,030
1946.....	73,252	10,469	83,721
1945.....	20,782	8,571	29,353
1944.....	9,767	3,058	12,825
1943.....	11,354	3,227	14,581
<i>Total—</i>			
1947.....	34,637	14,393	49,030
1946.....	73,252	10,469	83,721
1945.....	20,787	8,571	29,353
1944.....	9,767	3,058	12,825
1943.....	11,354	3,227	14,581

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1947, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via Water—</i>			
1947.....	15,970	7,010,768	7,026,738
1946.....	301,219	6,573,017	6,874,236
1945.....	110,484	14,981,004	15,091,488
1944.....	218,514	25,463,731	25,682,245
1943.....	619,890	22,791,133	23,411,023
<i>Via rail—</i>			
1947.....	7,313,687		7,313,687
1946.....	6,066,933	134,162	6,201,095
1945.....	14,667,698	1,000	14,668,698
1944.....	25,342,704	66,396	25,409,100
1943.....	21,568,338	2,000	21,570,338
<i>Via other—</i>			
1947.....		172,952	172,952
1946.....		142,077	142,077
1945.....		69,634	69,634
1944.....		96,964	96,964
1943.....		451,228	451,228
<i>Total—</i>			
1947.....	7,329,657	7,183,720	14,513,377
1946.....	6,368,152	6,849,256	13,217,408
1945.....	14,778,182	15,051,638	29,829,820
1944.....	25,561,218	25,627,091	51,188,309
1943.....	22,188,228	23,244,361	45,432,589

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$221,355. The main items were reconstruction of timber cribwork at pier 9, repairs to water supply system and relocation of meter pit at pier 2, repairs to piles and caps of pier 4, repairs to roads at Deep Water terminals, repairs to floors and renewal of gutters of sheds 20 and 22, replacing fill at outer end of pier "B", repairs to concrete aprons at pier 2 and berth 24, resurfacing at berth 34, renewal of part of the conveyor belting in the grain galleries, painting part of the grain elevator and gallery system, repairs to structural steel of marine leg and, at the cold storage plant, repairs to salt water supply pipe line, renewal of air circulation fans, extension of hot brine defrosting system, relining of boiler setting and painting of water tower.

CAPITAL WORKS

Expenditure on capital account during the year amounted to \$35,685. The principal items were the reconstruction of boiler house at shed 28, the construction of a meter pit at Ocean terminals, preliminary work in connection with the proposed construction of a transit shed at berth 26 and the proposed reconstruction of pier 3, and the purchase of a jeep with mechanical sweeper attachment, an air compressor and six ice carts (cold storage).

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,161,261, as compared with \$1,243,649 in 1946, the decrease being \$82,388. Operating and maintenance expenses were \$800,168, as against \$834,893 in the previous year, the reduction being \$34,725.

After charging interest due the Dominion Government and reserve for replacements, the year's operations resulted in a net income deficit of \$191,502, as compared with a deficit of \$295,655 in 1946.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 25,886 09	
Miscellaneous.....	5,672 30	
	<u>\$</u>	31,558 39

Wharves and Piers

Top Wharfage.....	396,414 79	
Dockage.....	190,664 19	
Miscellaneous.....	37,360 81	
	<u></u>	624,439 79

Permanent Sheds

Shed Rentals.....	48,655 45	
Storage.....	35,708 71	
Miscellaneous.....	28,944 96	
	<u></u>	113,309 12

Grain Elevator System

Elevation.....	43,667 30	
Storage.....	3,551 75	
Miscellaneous.....	1,542 50	
	<u></u>	48,761 55

Cold Storage System

Storage.....	204,648 16	
Miscellaneous.....	103,667 78	
	<u></u>	308,315 94

Miscellaneous—Outsiders.....

	<u>\$</u>	1,161,261 03
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OPERATING EXPENSES

Administration.....	92,146 31
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Operation and Maintenance

Harbour General.....	55,072 70	
Roads, Fences and Boundaries.....	3,613 30	
Sewers and Drains.....	174 92	
Wharves and Piers.....	86,354 99	
Permanent Sheds.....	186,359 32	
Grain Elevator System.....	128,428 64	
Cold Storage System.....	216,730 74	
Miscellaneous—Outsiders.....	31,286 99	
	<u></u>	708,021 60
		<u>800,167 91</u>

Operating Income.....	361,093 12
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INCOME RECEIVED FROM RESERVE FUNDS.....	76,661 88
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MISCELLANEOUS INCOME CREDITS.....	164 17	
	<u></u>	76,826 05

Total Income.....	437,919 17
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	76,661 88	
Miscellaneous Income Charges.....	573 05	
	<u></u>	77,234 93
		<u>360,684 24</u>

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	352,186 09	
	<u></u>	552,186 09

Net Income <i>Deficit</i>	\$	<u><u>191,501 85</u></u>
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Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS

FIXED—	
Harbour Dredging.....	160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	238,737 01
Sewers and Drains.....	60,611 97
Miscellaneous Structures.....	28,387 08
Wharves and Piers.....	16,934,207 12
Permanent Sheds.....	5,156,138 09
Grain Elevator System.....	2,486,031 10
Cold Storage System.....	1,921,031 62
Office Furniture and Appliances.....	32,855 97
Central Heating Plants.....	64,428 76
Electric Power System.....	8,409 40
Water Supply System.....	100,302 04
Floating Equipment.....	58,030 98
Shore Equipment.....	61,449 02
Miscellaneous Small Plant.....	63,559 71
Engineering—General Surveys.....	475,501 67
Works under Construction.....	15,014 57
	<u>\$28,398,812 38</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 235,754 38
Cash—On Hand.....	1,682 31
Accounts Receivable.....	<u>\$ 157,523 49</u>
Less—Reserve for Bad Debts.....	237,436 69
Advances due on Capital Account.....	156,924 66
Stores on Hand.....	2,831 23
Accrued Revenue.....	38,822 79
	<u>9,059 19</u>
	<u>445,174 56</u>

SECURITY DEPOSITS.....	4,722 31
REPLACEMENT FUND.....	2,714,510 93
FIRE AND GENERAL INSURANCE FUND.....	122,700 92
MISCELLANEOUS FUNDS.....	5,197 50
PREPAID CHARGES.....	267 07
DEFERRED DEBITS.....	6,193 35
	<u>\$31,697,579 02</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$12,550,193 52
Expenditure under Appropriations.....	15,966,271 47
Government Loans Applied for—Contra.....	<u>2,931 23</u>
	<u>\$28,519,396 22</u>
CURRENT—	
Accounts Payable.....	96,483 74
Salaries and Wages Payable.....	14,281 37
Matured Interest Unpaid—	
Due Public.....	697 50
Due Dominion Government.....	<u>727,162 91</u>
	<u>727,860 41</u>
Contractor's Hold Back—	
Maintenance.....	602 29
Unclaimed Wages.....	865 77
Matured Debentures due Public.....	<u>4,500 00</u>
	<u>844,593 58</u>
CONTRACTORS' SECURITY DEPOSITS.....	4,722 31

RESERVES—	
Replacement.....	2,659,182 30
Fire and General Insurance.....	<u>122,752 70</u>
	<u>2,781,935 00</u>
DEFERRED CREDITS.....	5,039 00
	<u>32,155,686 11</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1946.....	3,790,144 35
Net Income Deficit for 1947.....	<u>191,501 85</u>
	<u>3,981,646 20</u>

DEDUCT—	
Adjustments in 1947.....	<u>3,523,539 11</u>
	<u>458,107 09</u>
	<u>\$31,697,579 02</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 10 main wharves and piers having some 13,600 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water, and 18 transit sheds, including two frost-proof sheds, with an aggregate floor space of about 812,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to nine of the berths by over two miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. Two locomotive cranes and 15-ton and 65-ton floating cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	1,593	2,341,455
1946.....	1,551	2,129,154
1945.....	1,496	2,320,772
1944.....	1,478	2,185,088
1943.....	1,702	2,311,881
<i>Departures—</i>		
1947.....	1,602	2,393,916
1946.....	1,533	2,095,997
1945.....	1,501	2,327,090
1944.....	1,467	2,162,055
1943.....	1,688	2,276,805

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparison for 1946.

	1947		1946	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	540	1,666,149	504	1,457,879
Coastal or inland commercial (including fishery).....	1,008	669,463	1,005	658,614
Other.....	45	5,843	42	12,661
Total.....	1,593	2,341,455	1,551	2,129,154
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	556	1,722,343	507	1,431,035
Coastal or inland commercial (including fishery).....	1,001	665,285	989	652,565
Other.....	45	6,288	37	12,397
Total.....	1,602	2,393,916	1,533	2,095,997

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1947, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1947.....	516,200	2,014,997	2,531,197
1946.....	547,804	1,777,285	2,325,089
1945.....	606,586	2,721,266	3,327,852
1944.....	510,576	2,658,481	3,169,057
1943.....	517,091	3,227,429	3,744,520
<i>Domestic—</i>			
1947.....	392,876	89,633	482,509
1946.....	425,973	91,626	517,599
1945.....	442,756	79,743	522,499
1944.....	396,455	79,867	476,322
1943.....	382,062	85,025	467,087
<i>Total—</i>			
1947.....	909,076	2,104,630	3,013,706
1946.....	973,777	1,868,911	2,842,688
1945.....	1,049,342	2,801,009	3,850,351
1944.....	907,031	2,738,348	3,645,379
1943.....	899,153	3,312,454	4,211,607

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1947, with comparison for 1946.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Flour, wheat.....	20	400,815	400,835	300,586
Grain.....		371,846	371,846	476,848
Lumber (Planks, Boards and Flooring) and Square Timber.....	7,423	220,420	227,843	164,075
Coal, bituminous.....	162,774	321	163,095	280,721
Sugar, raw.....	157,857		157,857	140,279
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	5,642	130,401	136,043	82,144
Gasoline.....	122,981	10,644	133,625	90,906
Potatoes.....	21	113,239	113,260	53,453
Paper, newsprint.....	365	93,071	93,436	106,186
Petroleum Oil, fuel.....	82,859	5,231	88,090	85,062
Fertilizers and Fertilizer Materials.....	72,643	3,614	76,257	36,484
Eggs, in shell.....		57,838	57,838	31,185
Meats, canned, cured, prepared or preserved.....	22	53,933	53,955	40,380
Motor Vehicles and Parts.....	2,098	50,616	52,714	135,757
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	1	41,840	41,841	16,060
Wood-pulp.....	717	33,080	33,797	36,531
Tea.....	27,470	472	27,942	12,654
Grain Products (Mill Products except Wheat Flour).....		23,643	23,643	6,592
Petroleum Oil, crude.....	19,448	2,489	21,937	3,517

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Jute and Jute Manufactures.....	16,605	3,744	20,349	19,293
Meats, chilled, fresh or frozen.....	44	19,441	19,485	30,518
Ferro-alloys.....	18	18,800	18,818	9,968
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....		18,660	18,660	19,695
Machinery and Parts (except agricultural).....	7,198	29,619	36,817	31,412
Aluminium, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	669	17,050	17,719	13,613
Hardware, not otherwise specified.....	11,614	5,618	17,232	404
Drygoods not otherwise specified.....	12,907	2,685	15,592	1,326
Beverages, alcoholic.....	6,014	9,670	15,684	13,318
Pulpboard (except Wallboard).....		15,536	15,536	12,673
Lead and Lead Manufactures.....	1	15,341	15,342	19,189
Iron or steel, scrap.....	13,790	41	13,831	5
Fish (including shell-fish), canned or preserved.....	5,803	7,817	13,620	3,458
Asbestos and Asbestos Manufactures.....	3,302	10,310	13,612	11,424
Chemicals not otherwise specified.....	3,786	9,085	12,871	1,020
Glass and Glass Manufactures.....	11,341	1,519	12,860	11,202
Foodstuffs, not otherwise specified.....	7,758	4,987	12,745	6,427
Seeds.....	271	12,232	12,503	5,700
Fruits and Fruit Products (including Juices) not otherwise specified.....	5,310	5,828	11,138	10,559
Barytes.....	5,743	4,928	10,671	200
Fruits, fresh, not otherwise specified.....	134	10,464	10,598	30,899
Wooden manufactures, not otherwise specified.....	914	9,525	10,439	4,234
Zinc Spelter.....		10,064	10,064	1,009
Molasses.....	9,559	58	9,617	7,087
Wood Laths, Pickets, Plywoods, Shingles and Veneers	95	8,970	9,065	8,483
Bananas.....	8,528		8,528	
Nickel and Nickel Manufactures.....		8,363	8,363	8,454
Apples.....	183	7,854	7,768	146
Cotton manufactures not otherwise specified.....	6,114	1,600	7,714	5,421
Wool, unmanufactured, and Wool Yarns.....	6,903	779	7,682	2,448
Fish (including Shell-fish) dried, pickled, salted or smoked.....	2,526	4,922	7,448	426
Iron or Steel Manufactures not otherwise specified....	3,008	4,329	7,337	7,205
Rubber Manufactures.....	162	7,126	7,288	4,202
Tobacco and Tobacco Manufactures.....	46	6,793	6,839	4,821
Iron or Steel Band, Bars, not otherwise specified.....				
Hoop, Plates, Rods, Sheets, Skelp, Strip, and Tin Plate.....	684	5,969	6,653	9,236
Vegetables, fresh, not otherwise specified.....	50	6,526	6,576	1,383
Cocoa Beans, Cocoa Preparations and Chocolate (except Confectionery).....	6,331	56	6,387	11,221
Fruits, canned or preserved.....	4,305	1,951	6,256	15,532
Chinaware, Earthenware and Porcelainware.....	5,646	546	6,192	3,634
Petroleum Oil, refined, not otherwise specified.....	6,155		6,155	2,193
Cereals.....		5,607	5,607	2,075
Vegetables, dried.....	174	5,055	5,229	1,660
Wallboard.....		5,006	5,006	2,259
Woollen Manufactures, not otherwise specified.....	4,555	57	4,612	11,366
Vegetables, canned or preserved.....	592	3,858	4,450	1,053
Sulphur.....	4,068	23	4,091	9,817
All Goods not otherwise specified.....	63,829	162,974	226,803	241,214
TOTAL.....	909,076	2,104,630	3,013,706	4,518,302

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1947, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1947.....	712	860	1,572
1946.....	706	540	1,246
1945.....	298	301	599
1944.....	379	181	560
1943.....	61	374	435
<i>Coastwise—</i>			
1947.....	49,663	46,165	95,828
1946.....	57,537	54,905	112,442
1945.....	93,111	83,431	176,542
1944.....	73,640	82,814	156,454
1943.....	68,510	84,677	153,187
<i>Total—</i>			
1947.....	50,375	47,025	97,400
1946.....	58,243	55,445	113,688
1945.....	93,409	83,732	177,141
1944.....	74,019	82,995	157,014
1943.....	68,571	85,051	153,622

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1947, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via Water—</i>			
1947.....		13,596,926	13,596,926
1946.....		15,924,932	15,924,932
1945.....		29,378,627	29,378,627
1944.....		25,593,427	25,593,427
1943.....		36,817,001	36,817,001
<i>Via rail—</i>			
1947.....	13,417,203	162,479	13,579,682
1946.....	15,150,627	225,236	15,375,863
1945.....	29,608,084	251,808	29,859,892
1944.....	27,009,543	669,057	27,678,600
1943.....	35,900,274	301,758	36,202,032
<i>Via other—</i>			
1947.....		109	109
1946.....		144	144
1945.....		233	233
1944.....			
1943.....			
<i>Total—</i>			
1947.....	13,417,203	13,759,514	27,176,717
1946.....	15,150,627	16,150,312	31,300,939
1945.....	29,608,084	29,630,668	59,238,752
1944.....	27,009,543	26,262,484	53,272,027
1943.....	35,900,274	37,118,759	73,019,033

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$221,276. The main items were dredging three berths, the central area of one slip and the approaches to berths 1, 2, 3 and 4, to a minimum depth of 30 feet at extreme low tide, refacing the outer half of the concrete wharf wall at berth 14, repairs to roof of shed 13, painting sheds 1, 2 and 3 and their grain galleries, painting the grain elevator shipping house, replacing two lofter casings in the shipping house, making improvements to grain galleries and replacement of boiler of the floating crane "Glenbuckie".

CAPITAL WORKS

Expenditures on capital account amounted to \$44,345. The items covered thereby were preliminary work in connection with the proposed reconstruction of McLeod-Pettingill wharf, shed and grain gallery, the construction of a longshoremen's rest house on the bulkhead wall between berths 1 and 2, and the acquisition from War Assets Corporation of a wharf in Courtenay Bay.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$945,198, as compared with \$933,497 in 1946, the increase being \$11,701. Operating and maintenance expenses showed an increase of \$29,129, the comparable figures being \$488,756 for 1947 and \$459,627 for 1946.

After taking into account income debits and credits, paying interest amounting to \$53,946 on debt to the public, and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$283,388 as against a deficit of \$609,311 in 1946.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$ 17,022 85	
Miscellaneous.....	17,777 05	
	<u> </u>	\$ 34,799 90

Wharves and Piers

Top Wharfage.....	532,098 88	
Dockage.....	246,689 91	
Miscellaneous.....	55 00	
	<u> </u>	778,843 79

Permanent Sheds

Shed Rentals.....	14,300 97	
Storage.....	29,620 77	
Miscellaneous.....	29 33	
	<u> </u>	43,951 07

Railway System.....

1,137 50

Grain Elevator System

Receipts from joint operation.....	29,385 50	
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Miscellaneous—Outsiders.....	57,080 09	
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\$ 945,197 85

OPERATING EXPENSES—

Administration.....	61,310 43	
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Operation and Maintenance

Harbour Dredging.....	131,829 72	
Harbour General.....	57,486 19	
Vehicular Bridges.....	1,192 38	
Roads, Fences and Boundaries.....	2,003 58	
Sewers and Drains.....	520 57	
Wharves and Piers.....	48,006 55	
Permanent Sheds.....	93,984 23	
Grain Elevator System.....	12,729 88	
Miscellaneous—Outsiders.....	79,692 55	
	<u> </u>	427,445 65
		<u> </u>
		488,756 08

Operating Income.....	456,441 77
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INCOME RECEIVED FROM RESERVE FUNDS.....	82,891 60
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MISCELLANEOUS INCOME CREDITS.....	744 97
	<u> </u>
	83,636 57

Total Income.....	540,078 34
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MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	82,891 60	
Miscellaneous Income Charges.....	22 09	
	<u> </u>	82,913 69

Income Available for Interest due Public.....	457,164 65
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INTEREST ON DEBT TO THE PUBLIC.....	53,946 43
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403,218 22

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	483,605 86	
	<u> </u>	686,605 86

Net Income <i>Deficit</i>	\$ 283,387 64
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Harbour of Saint John BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS

FIXED—	
Harbour Dredging.....	955,090 54
Real Estate.....	1,766,457 64
Vehicular Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,969 66
Wharves and Piers.....	14,612,224 26
Permanent Sheds.....	2,548,933 93
Railway System.....	132,660 57
Grain Elevator System.....	3,986,394 03
Office Furniture and Appliances.....	8,964 82
Harbour Buildings.....	47,202 41
Central Heating Plants.....	57,182 39
Water Supply System.....	14,315 67
Floating Equipment.....	201,999 08
Shore Equipment.....	109,727 05
Miscellaneous Small Plant.....	12,736 56
Works under Construction.....	37,380 88
	<u>\$24,732,348 36</u>

CURRENT—

Cash—Receiver General of Canada.....	\$ 195,199 92
Cash—On Hand.....	254 15
	<u>195,454 07</u>
Accounts Receivable.....	\$ 84,764 63
Less—Reserve for Bad Debts.....	<u>184 18</u>
	84,580 45
Stores on Hand.....	25,046 27
Accrued Revenue.....	<u>46,917 53</u>
	352,598 32

SECURITY DEPOSITS

25,473 74

REPLACEMENT FUND

2,892,702 98

FIRE AND GENERAL INSURANCE FUND

140,464 17

PREPAID CHARGES

171 77

DEFERRED DEBITS

62,802 25

\$28,206,561 59

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$ 1,039,182 35
DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$17,321,488 27
Expenditure under Appropriations.....	<u>6,649,054 90</u>
	23,970,543 17

CURRENT—

Accounts Payable.....	54,249 19
Salaries, Wages Payable.....	3,518 11
Matured Interest Unpaid—	
Due Public.....	\$ 1,018 39
Due Dominion Government.....	<u>3,648,004 65</u>
	3,649,023 04
Accrued Interest due Public.....	18,754 99
Unclaimed Wages.....	3 75
Matured Debentures due Public.....	<u>3,423 75</u>
	3,728,972 83
CONTRACTORS' SECURITY DEPOSITS.....	<u>25,473 74</u>

RESERVES—

Replacement.....	2,917,754 04
Fire and General Insurance.....	<u>140,515 95</u>
	3,058,269 99

DEFERRED CREDITS

6,417 69

31,828,859 77

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1946.....	7,900,166 57
Net Income Deficit for 1947.....	<u>283,387 64</u>
	8,183,554 21

Deduct—

Adjustments in year 1947.....	<u>4,561,256 03</u>
	3,622,298 18

\$28,206,561 59

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 120 miles below Quebec. The facilities operated by the Board include: 2,500 linear feet of wharf allowing ships of 26 feet draft, a concrete fireproof shed, 400 feet by 60 feet, a frame shed, 150 feet by 40 feet, and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	142	122,571
1946.....	133	81,365
1945.....	97	66,271
1944.....	153	83,445
1943.....	194	111,325
<i>Departures—</i>		
1947.....	141	122,566
1946.....	132	81,360
1945.....	96	66,195
1944.....	152	83,433
1943.....	194	111,325

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparison for 1946.

	1947		1946	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	23	35,895	1	1,622
Coastal or inland commercial (including fishery).....	109	85,970	122	78,715
Other.....	10	706	10	1,028
Total.....	142	122,571	133	81,365
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	23	35,895	1	1,622
Coastal or inland commercial (including fishery).....	108	85,965	122	78,715
Other.....	10	706	9	1,023
Total.....	141	122,566	132	81,360

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1947, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1947.....	50,240		50,240
1946.....	43,552		43,552
1945.....	38,107		38,107
1944.....	54,605		54,605
1943.....	135,369		135,369
<i>Domestic—</i>			
1947.....	131,806	2,386	134,192
1946.....	18,879	481	19,360
1945.....	14,005	1,993	15,998
1944.....	44,983	1,145	46,128
1943.....	41,582	503	42,085
<i>Total—</i>			
1947.....	182,046	2,386	184,432
1946.....	62,431	481	62,912
1945.....	52,112	1,993	54,105
1944.....	99,588	1,145	100,733
1943.....	176,951	503	177,454

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1947, with comparison for 1946.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	135,417		135,417	32,040
Gasoline.....	16,807		16,807	12,182
Petroleum oil, fuel.....	11,720	1,169	12,889	1,486
Coal, anthracite.....	10,791		10,791	10,765
Cement, common or portland.....	1,923		1,923	745
Molasses.....	1,314		1,314	1,348
Wood, unmanufactured, not otherwise specified.....	499		499	87
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	215		215	602
Potatoes.....	98		98	158
Lumber (Planks, Boards and Flooring) and Square Timber.....	92	1,041	1,133	593
All Goods not otherwise specified.....	3,170	176	3,346	2,906
TOTAL.....	182,046	2,386	184,432	62,912

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1947, with comparison for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1947.....			
1946.....			
1945.....			
1944.....			
1943.....			
<i>Coastwise—</i>			
1947.....	5,775	5,779	11,554
1946.....	6,117	6,118	12,235
1945.....	5,098	5,102	10,200
1944.....	4,377	3,951	8,328
1943.....	4,049	4,048	8,097
<i>Total—</i>			
1947.....	5,775	5,779	11,554
1946.....	6,117	6,118	12,235
1945.....	5,098	5,102	10,200
1944.....	4,377	3,951	8,328
1943.....	4,049	4,048	8,097

(Exclusive of armed forces and prisoners of war)

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$9,009, consisting of repairs to roof of shed 2, replanking slipways 3 and 4 and general maintenance of wharves, sheds and railway trackage.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$40,573, as compared with \$32,666 in 1946. Expenses of operation and maintenance were \$21,407, the corresponding figure in 1946 being \$17,178.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$119,386, as compared with a deficit of \$202,457 in 1946.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$	528 21	
Miscellaneous.....		240 00	
			\$ 768 21

Wharves and Piers

Top wharfage.....	14,019 15	
Dockage.....	1,656 50	
Miscellaneous.....	17,703 19	
		33,378 84

Permanent Sheds

Shed Rentals.....	601 76	
Storage.....	4,968 30	
		5,570 06

Miscellaneous—Outsiders.....

855 88

40,572 99

OPERATING EXPENSES—

Administration..... 7,742 61

Operation and Maintenance—

Harbour General.....	2,477 57	
Roads, Fences and Boundaries.....	291 73	
Wharves and Piers.....	4,330 29	
Permanent Sheds.....	3,796 60	
Railway System.....	2,439 41	
Miscellaneous—Outsiders.....	329 06	
		13,664 66

21,407 27

Operating Income..... 19,165 72

INCOME RECEIVED FROM RESERVE FUNDS..... 3,321 59

Total Income..... 22,487 31

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves..... 3,321 59

Miscellaneous Income Charges..... 616 61

3,938 20

18,549 11

OTHER INCOME REQUIREMENTS—

Reserve for Replacements..... 30,000 00

Interest due Dominion Government..... 107,934 79

137,934 79

Net Income *Deficit*..... \$ 119,385 68

Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS

FIXED—	
Harbour Dredging.....	\$ 445,827 58
Real Estate.....	35,625 67
Roads, Fences and Boundaries.....	115,905 96
Sewers and Drains.....	165,653 09
Wharves and Piers.....	3,257,200 29
Permanent Sheds.....	124,083 29
Railway System.....	38,599 51
Office Furniture and Appliances.....	2,619 33
Electric Power System.....	3,915 37
Water Supply System.....	16,344 19
Floating Equipment.....	8,204 50
Shore Equipment.....	171 88
Miscellaneous Small Plant.....	315 55
Engineering—General Surveys.....	18,375 66
	<u>\$ 4,232,841 87</u>

CURRENT—

Cash—Receiver General of Canada.....	\$ 7,383 88
Cash—On Hand.....	126 22

Accounts Receivable.....	7,510 10
Stores on Hand.....	4,623 92
	<u>2,840 96</u>

REPLACEMENT FUND.....

	14,974 98
	<u>105,717 53</u>

FIRE AND GENERAL INSURANCE FUND.....

	10,721 98
--	-----------

PREPAID CHARGES.....

	581 42
--	--------

\$ 4,364,837 78

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—

Loans and Advances (Interest bearing).....	\$ 3,811,198 58
Expenditure under Appropriations.....	459,398 32
	<u>\$ 4,270,586 90</u>

CURRENT—

Accounts Payable.....	1,792 24
Matured Interest due Dominion Government.....	1,477,514 11
Unclaimed Wages.....	22 30
	<u>1,479,328 65</u>

RESERVES—

Replacement.....	348,717 53
Fire and General Insurance.....	10,721 98
	<u>359,439 51</u>

DEFERRED CREDITS.....

	1,668 43
	<u>6,111,023 49</u>

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1946.....	2,983,726 83
Net Income Deficit for 1947.....	119,385 68

Deduct—

Adjustments in 1947.....	3,103,112 51
	<u>1,356,926 80</u>

1,746,185 71

\$ 4,364,837 78

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 23 miles of standard gauge terminal railway, connected with both Canadian railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 75 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	4,191	2,902,654
1946.....	3,872	2,470,154
1945.....	3,840	2,816,194
1944.....	3,560	2,172,620
1943.....	3,506	1,764,944
<i>Departures—</i>		
1947.....	4,179	2,909,884
1946.....	3,884	2,472,624
1945.....	3,841	2,823,429
1944.....	3,561	2,171,501
1943.....	3,530	1,816,848

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparison for 1946.

	1947		1946	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	198	829,500	159	572,976
Coastal or inland commercial (including fishery).....	3,435	1,998,630	3,497	1,876,701
Other.....	558	74,524	216	20,477
Total.....	4,191	2,902,654	3,872	2,470,154
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	201	838,143	159	572,976
Coastal or inland commercial (including fishery).....	3,432	1,998,188	3,508	1,878,033
Other.....	546	73,553	217	21,615
Total.....	4,179	2,909,884	3,884	2,472,624

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1947, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1947.....	24,594	183,730	208,324
1946.....	35,550	237,330	272,880
1945.....	106,274	544,280	650,554
1944.....	95,926	237,433	333,359
1943.....	18,745	162,243	180,988
<i>Domestic—</i>			
1947.....	1,507,565	139,129	1,646,694
1946.....	1,123,334	144,545	1,267,879
1945.....	1,078,574	170,331	1,248,905
1944.....	943,919	147,648	1,091,567
1943.....	759,921	300,560	1,060,481
<i>Total—</i>			
1947.....	1,532,159	322,859	1,855,018
1946.....	1,158,884	381,875	1,540,759
1945.....	1,184,848	714,611	1,899,459
1944.....	1,039,845	385,081	1,424,926
1943.....	778,666	462,803	1,241,469

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1947, with comparison for 1946.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Pulpwood.....	590,801	88,504	679,305	551,997
Coal, bituminous.....	382,880	360	383,240	351,150
Petroleum Oil, fuel.....	200,590	3,232	203,822	95,754
Gasoline.....	148,539		148,539	115,132
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	576	75,526	76,102	106,031
Lumber (Planks, Boards and Flooring) and Square Timber.....	9,218	66,799	76,017	56,747
Cement, common or portland.....	49,818	686	50,504	43,653
Sugar, raw.....	36,493	16	36,509	4,378
Ores and Ore Concentrates, in bulk.....	34,343		34,343	
Asbestos and Asbestos Manufactures.....		21,754	21,754	8,492
Flour, Wheat.....	1,594	16,294	17,888	13,521
Sulphur.....	12,298		12,298	4,783
Molasses.....	9,460	1,402	10,862	9,842
Coal, anthracite.....	7,305		7,305	4,182
Grain Products.....	465	6,125	6,590	
Wood-pulp.....	4,409	874	5,283	1,223
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	2,506	2,383	4,889	4,381
Food-stuffs, canned or preserved, not otherwise specified.....	2,380	2,516	4,896	4,463
Metal, Scrap, Aluminum, Brass, Copper, Tin, Zinc.....		3,677	3,677	9,442
Paper, newsprint.....	1,189	1,921	3,110	2,021
Tea.....	2,377	135	2,512	9,347

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Beverages, alcoholic.....	1,843	646	2,489	1,688
Grain.....	387	2,038	2,425	77,412
Fertilizers and Fertilizer Materials.....	532	940	1,472	4,554
Motor Vehicles and Parts.....	4	1,102	1,106	8,841
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	450	457	907	1,021
All Goods not otherwise specified.....	31,702	25,472	57,174	50,704
Total.....	1,532,159	322,859	1,855,018	1,540,759

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1947, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1947.....	199	56	255
1946.....	20	19	39
1945.....	135	1,586	1,721
1944.....			
1943.....			
<i>Coastwise—</i>			
1947.....	37,872	33,007	70,879
1946.....	45,136	33,231	78,367
1945.....	49,776	47,263	97,039
1944.....	39,823	35,745	75,568
1943.....	22,931	25,181	48,112
<i>Total—</i>			
1947.....	38,071	33,063	71,134
1946.....	45,156	33,250	78,406
1945.....	49,911	48,849	98,760
1944.....	39,823	35,745	75,568
1943.....	22,931	25,181	48,112

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1947, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1947.....			
1946.....	939,578	2,235,237	3,174,815
1945.....	526,209	13,611,445	14,137,654
1944.....	671,802	2,996,584	3,668,386
1943.....		1,642,807	1,642,807
<i>Via rail—</i>			
1947.....	425,122	34,778	459,900
1946.....	1,629,813	715,697	2,345,510
1945.....	13,358,498	1,408,406	14,766,904
1944.....	5,818,547	536,586	6,355,133
1943.....	1,813,995	1,234,336	3,048,331

GRAIN ELEVATOR—*Concluded*

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via other—</i>			
1947.....	23,451	349,547	372,998
1946.....	25,834	766,601	792,435
1945.....	27,570	587,319	614,889
1944.....	14,891	820,172	835,063
1943.....	19,166	853,889	873,055
<i>Total—</i>			
1947.....	448,573	384,325	832,898
1946.....	2,595,225	3,717,535	6,312,760
1945.....	13,912,277	15,607,170	29,519,447
1944.....	6,505,240	4,353,342	10,858,582
1943.....	1,833,161	3,731,032	5,564,193

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1947, with comparison for 1946.

	1947	1946
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	9,492	9,947
Non-revenue cars.....	5,552	4,859
Total.....	15,044	14,806
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	6,572	5,700
Non-revenue cars.....	8,420	9,111
Total.....	14,992	14,811
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....		
Non-revenue cars.....		
Total.....		
<i>Switched locally—</i>		
Revenue cars.....	712	473
Non-revenue cars.....	712	473
Total.....	1,424	946
<i>Total—</i>		
Revenue cars.....	16,776	16,120
Non-revenue cars.....	14,684	14,443
Total.....	31,460	30,563

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$190,056. The main items were renewal of fixed fenders on St. Charles River wharf, west wharf of the Inner basin and a portion of pier No. 1, renewal of electric controls and enclosures of the freight elevators at the cold storage plant, painting shed 27 and shed "A" and general maintenance of all other facilities.

CAPITAL WORKS

Expenditures on capital account amounted to \$56,410. The items covered thereby consisted of purchase and installation of a new switchboard at the power house, construction of railway track and paving at Wolfe's Cove terminals, construction of a power transmission line extension at Wolfe's Cove terminals, preliminary work in connection with the proposed strengthening of berth 20, Outer Louise basin, the purchase of three buildings to replace existing operation and maintenance buildings and purchase of a lighter hull and marine engine.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$627,733, as compared with \$672,264 in 1946, the decrease being \$44,531. Revenues were adversely affected by the small quantity of grain handled through the elevator. Revenues of the grain elevator were only \$10,000 in 1947, as against \$62,000 in 1946. Operating and maintenance expenses were \$691,609, as compared with \$678,427 in 1946, an increase of \$13,182.

On the year's operations, there was a deficit before capital charges of \$70,481, for which a vote of Parliament will be requested.

Net income deficit, after all charges, was \$1,051,503, the corresponding figure for the preceding year being \$1,442,153.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—			
Harbour General			
Harbour Dues	\$	11,628 80	
Miscellaneous		44,618 80	
Wharves and Piers			\$ 56,247 60
Top Wharfage		110,982 92	
Dockage		48,605 26	
Miscellaneous		72,792 34	
Permanent Sheds			232,380 52
Shed Rentals		34,586 69	
Storage		37,882 05	
Railway System			72,468 74
			83,981 17
Grain Elevator System			
Elevation		4,688 35	
Storage		4,752 30	
Miscellaneous		881 45	
Cold Storage System			10,322 10
Storage		107,344 68	
Miscellaneous		11,070 27	
Miscellaneous—Outsiders			118,414 95
			53,917 53
			\$ 627,732 61
OPERATING EXPENSES—			
Administration			119,626 13
Operation and Maintenance			
Harbour Dredging		551 65	
Harbour General		108,468 87	
Vehicular Bridges		6,217 43	
Roads, Fences and Boundaries		7,268 45	
Sewers and Drains		1,671 53	
Wharves and Piers		63,854 93	
Permanent Sheds		36,443 05	
Railway System		125,858 93	
Grain Elevator System		73,960 26	
Cold Storage System		101,913 65	
Miscellaneous—Outsiders		45,774 07	
			571,982 82
			691,608 95
Operating Deficit			63,876 34
INCOME RECEIVED FROM RESERVE FUNDS		22,014 78	
MISCELLANEOUS INCOME CREDITS		2,363 87	
			24,378 65
Total Income			39,497 69
MISCELLANEOUS DEDUCTIONS FROM INCOME			
Income received from Reserve Funds transferred to Reserve		22,014 78	
Reserve for Bad Debts		68 46	
Miscellaneous Income Charges		8,900 21	
			30,983 45
OTHER INCOME REQUIREMENTS			
Reserve for Replacements		200,000 00	70,481 14
Interest due Dominion Government		781,021 71	
			981,021 71
Net Income Deficit			\$ 1,051,602 85

Harbour of Quebec

BALANCE SHEET AS AT DECEMBER 31, 1947

HARBOUR OF QUEBEC

39

ASSETS

FIXED—

Harbour Dredging.....	\$ 3,940,865 55
Real Estate.....	289,282 99
Vehicular Bridges.....	172,284 75
Roads, Fences and Boundaries.....	129,167 35
Sewers and Drains.....	293,022 25
Miscellaneous Structures.....	134,603 77
Wharves and Piers.....	13,157,163 94
Permanent Sheds.....	3,275,963 63
Shed Hoists.....	12,000 00
Railway System.....	900,045 75
Grain Elevator System.....	3,735,358 72
Cold Storage System.....	718,952 92
Office Furniture and Appliances.....	12,930 43
Harbour Buildings.....	196,735 26
Central Heating Plants.....	11,300 46
Harbour Shops.....	33,694 41
Electric Power System.....	58,564 68
Water Supply System.....	30,225 93
Floating Equipment.....	98,508 58
Shore Equipment.....	58,793 50
Miscellaneous Small Plant.....	8,854 14
Sundry Expenditure (Undistributed).....	1,621,453 70
Works under Construction.....	35,937 36
CURRENT—	\$28,925,710 07
Cash—Receiver General of Canada.....	\$ 23,173 24
Cash—On Hand.....	185 76
Accounts Receivable.....	83,229 95
Less—Reserve for Bad Debts.....	2,781 10
Advances due on Capital Account.....	80,448 85
Advances due on Deficit Account.....	46 53
Stores on Hand.....	70,481 14
Accrued Revenue.....	51,438 76
Other Assets.....	744 66
	907 79

SECURITY DEPOSITS.....	227,426 73
REPLACEMENT FUND.....	980 00
FIRE AND GENERAL INSURANCE FUND.....	657,404 24
PREPAID CHARGES.....	116,870 27
DEFERRED DEBTS.....	4,605 29
	500 00
	227,426 73
	980 00
	657,404 24
	116,870 27
	4,605 29
	500 00
	<u>\$29,933,496 60</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$27,811,989 09
Expenditure under Appropriations.....	2,592,677 67
Government Loans Applied for—Contra.....	46 53
	<u>\$30,404,713 29</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....	16,317 51
CURRENT—	
Working Capital Advances.....	45,000 00
Accounts Payable.....	14,656 51
Salaries and Wages Payable.....	2,558 77
Matured Interest due Dominion Government.....	10,574,473 88
Unclaimed Wages.....	264 28
	<u>10,636,953 44</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	980 00
RESERVES—	
Replacement.....	2,463,512 25
Fire and General Insurance.....	116,922 05
	<u>2,580,434 30</u>
DEFERRED CREDITS.....	12,800 04
	<u>43,652,258 58</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1946.....	33,693,065 41
Net Income Deficit for 1947.....	1,051,502 85
	<u>34,744,568 26</u>
DEDUCT—	
Government Grant <i>re</i> 1947.....	\$ 70,481 14
Deficit.....	20,955,325 14
Adjustment in 1947.....	21,025,806 28
	<u>13,718,761 98</u>
	<u>\$29,933,496 60</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include three main wharves having some 7,650 linear feet of berthing with a minimum water depth of 30 feet alongside and nine transit sheds with a total floor area of about 192,000 square feet.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	2,217	1,713,516
1946.....	2,073	1,796,200
1945.....	1,973	2,243,566
1944.....	1,958	1,860,530
1943.....	1,778	1,424,227
<i>Departures—</i>		
1947.....	2,217	1,713,516
1946.....	2,073	1,796,200
1945.....	1,973	2,243,566
1944.....	1,958	1,860,530
1943.....	1,783	1,425,516

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparison for 1946.

	1947		1946	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	117	438,671	111	391,406
Coastal or inland commercial (including fishery).....	2,060	1,257,206	1,920	1,388,386
Other.....	40	17,639	42	16,408
Total.....	2,217	1,713,516	2,073	1,796,200
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	117	438,671	111	391,406
Coastal or inland commercial (including fishery).....	2,060	1,257,206	1,920	1,388,386
Other.....	40	17,639	42	16,408
Total.....	2,217	1,713,516	2,073	1,796,200

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1947, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign</i>			
1947.....	340,025	563,515	903,540
1946.....	294,898	466,358	761,256
1945.....	329,534	871,455	1,200,989
1944.....	365,262	376,707	741,969
1943.....	245,036	320,728	565,764
<i>Domestic—</i>			
1947.....	1,692,310	12,279	1,704,589
1946.....	1,132,324	8,944	1,141,268
1945.....	1,282,174	9,679	1,291,853
1944.....	947,277	50,538	997,815
1943.....	629,487	11,153	640,640
<i>Total—</i>			
1947.....	2,032,335	575,794	2,608,129
1946.....	1,427,222	475,302	1,902,524
1945.....	1,611,708	881,134	2,492,842
1944.....	1,312,539	427,245	1,739,784
1943.....	874,523	331,881	1,206,404

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1947, with comparison for 1946.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Pulpwood.....	1,255,316		1,255,316	871,013
Grain.....	328,360	376,991	705,351	257,186
Coal, bituminous.....	349,971	224	350,195	417,444
Paper, newsprint.....		79,946	79,946	88,993
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....		63,182	63,182	144,353
Lumber (Planks, Boards and Flooring) and Square Timber.....	7,090	37,301	44,391	45,601
Gasoline.....	23,626	1,030	24,656	22,673
Sulphur.....	21,681		21,681	9,669
Petroleum oil, fuel.....	12,257	2,468	14,725	7,347
Sugar, raw.....	10,751		10,751	
Coal, anthracite.....	4,860		4,860	
Calcium Carbide.....		1,966	1,966	257
Molasses.....	1,826		1,826	1,637
Sand and Gravel.....	1,797	27	1,824	6,746
Wood-pulp.....		1,671	1,671	
Hay and Straw.....		1,433	1,433	1,297
Iron or Steel, structural.....		1,235	1,235	
All Goods not otherwise specified.....	14,800	8,320	23,120	28,308
TOTAL.....	2,032,335	575,794	2,608,129	1,902,524

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1947, with comparisons for previous years.

—	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1947.....	10,945,323	12,566,357	23,511,680
1946.....	3,057,387	6,793,063	9,850,450
1945.....	15,305,216	22,508,020	37,813,236
1944.....	4,017,263	6,924,003	10,941,266
1943.....		4,513,875	4,513,875
<i>Via rail—</i>			
1947.....	1,870,237		1,870,237
1946.....	1,835,311	24,000	1,859,311
1945.....	4,365,538	379,000	4,744,538
1944.....	6,684,245	769,724	7,453,969
1943.....	1,763,711	145,583	1,909,294
<i>Via other—</i>			
1947.....		160,765	160,765
1946.....		62,674	62,674
1945.....		51,133	51,133
1944.....		66,038	66,038
1943.....		63,665	63,665
<i>Total—</i>			
1947.....	12,815,560	12,727,122	25,542,682
1946.....	4,892,698	6,879,737	11,772,435
1945.....	19,670,754	22,938,153	42,608,907
1944.....	10,701,508	7,759,765	18,461,273
1943.....	1,763,711	4,723,123	6,486,834

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Expenditure on ordinary maintenance and repairs amounted to \$25,982. The principal items were reconstruction of the face of Ste. Angele de Laval wharf, repairs to expansion joints in walls of shed 13, repairs to expansion joints in floors of sheds 13 and 16 and installation of a new lighting system in the harbour office.

CAPITAL WORKS

Capital expenditure amounted to \$2,444, consisting of the completion of installation of floodlights at sections 11, 12 and 14 and the purchase of a $\frac{1}{2}$ ton truck.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$235,765, as compared with \$229,882 in 1946, an increase of \$5,883. Operating and maintenance expenses were \$50,242, as against \$29,822 in 1946, an increase of \$20,420.

After charging interest and reserve for replacements, there was a net income surplus of \$3,323. In 1946, there was a deficit of \$57,099.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Harbour General			
Harbour Dues.....	\$	7,104 86	
Miscellaneous.....		1,018 96	
		<u>\$</u>	8,123 82
Wharves and Piers			
Top Wharfage.....		88,916 10	
Dockage.....		36,277 85	
Miscellaneous.....		44,907 60	
		<u></u>	170,101 55
Permanent Sheds			
Shed Rentals.....		54,831 75	
Miscellaneous—Outsiders.....		2,707 58	
		<u></u>	235,764 70

OPERATING EXPENSES

Administration.....		17,817 70	
Operation and Maintenance			
Harbour Dredging.....		5,000 00	
Harbour General.....		4,626 04	
Roads, Fences and Boundaries.....		163 36	
Wharves and Piers.....		16,535 78	
Permanent Sheds.....		4,483 67	
Railway System.....		1,054 35	
Miscellaneous—Outsiders.....		561 21	
		<u></u>	32,424 41
			<u>50,242 11</u>

Operating Income..... 185,522 59

INCOME RECEIVED FROM RESERVE FUNDS..... 29,644 43

MISCELLANEOUS INCOME CREDITS..... 200 00

29,844 43

Total Income..... 215,367 02

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserve.....	29,644 43	
Reserve for Bad Debts.....	200 00	
Miscellaneous Income Charges.....	191 44	
	<u></u>	30,035 87

Income Available for Interest due Public..... 185,331 15

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	70,000 00	
Interest due Dominion Government.....	112,008 29	
	<u></u>	182,008 29

Net Income Surplus..... \$ 3,322 86

Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 1,204,777 00	Loans and Advances (Interest bearing).....	\$ 3,985,077 18
Roads, Fences and Boundaries.....	60,384 26	Expenditure under Appropriations.....	590,857 27
Miscellaneous Structures.....	1,281 16		<u>\$ 4,575,934 45</u>
Wharves and Piers.....	5,780,047 59		
Permanent Sheds.....	791,660 07		
Railway System.....	26,611 43	CURRENT—	
Office Furniture and Appliances.....	1,175 33	Accounts Payable.....	8,708 25
Electric Power System.....	14,305 15	Matured Interest Unpaid—	
Water Supply System.....	10,894 44	Due Dominion Government.....	269,183 27
Shore Equipment.....	1,201 41	Unclaimed Wages.....	0 75
Miscellaneous—Small Plant.....	251 77		<u>277,892 27</u>
	<u>\$ 7,892,589 61</u>		
CURRENT—		CONTRACTORS' SECURITY DEPOSITS.....	1,539 45
Cash—Receiver General of Canada.....	\$ 54,850 22		
Cash—On Hand.....	514 67		
	<u>55,364 89</u>	RESERVES—	
Accounts Receivable.....	4,702 54	Replacement.....	1,066,949 67
Less—Reserve for Bad Debts.....	2,200 00	Fire and General Insurance.....	32,743 46
	<u>2,502 54</u>	Maintenance Dredging.....	15,000 00
Stores on Hand.....	1,031 27		<u>1,114,693 13</u>
	<u>58,898 70</u>	DEFERRED CREDITS.....	24,698 31
SECURITY DEPOSITS.....	1,539 45		<u>5,994,757 61</u>
REPLACEMENT FUND.....	1,067,104 30	SURPLUS AND DEFICIT ACCOUNT—	
FIRE AND GENERAL INSURANCE FUND.....	32,743 46	Surplus as at December 31, 1946.....	1,800,012 82
MISCELLANEOUS FUNDS.....	15,000 00	Adjustments in 1947.....	1,270,250 06
PREPAID CHARGES.....	35 83	Net Income Surplus for 1947.....	3,322 86
DEFERRED DEBITS.....	432 00		<u>3,073,585 74</u>
	<u>\$ 9,068,343 35</u>		<u>\$ 9,068,343 35</u>

HARBOUR OF MONTREAL

The Harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast. The ship channel, of which approximately 100 miles is dredged channel, provides a minimum depth of 32½ feet. The Harbour is served by both Canadian railways connected to the harbour front by 60 miles of terminal railway operated by the National Harbours Board. The Harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 105 berths, totalling about 10 miles of berthing accommodation; 26 transit sheds, with an aggregate floor area of over 2,063,000 square feet; also 4 grain elevators, with a total storage capacity of over 15,000,000 bushels, and 3½ miles of grain conveyor galleries; and a cold storage warehouse, with a capacity of 2,909,210 cubic feet. A 75-ton capacity floating crane and 10 locomotive cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	3,433	5,948,537
1946.....	3,193	5,239,076
1945.....	3,295	4,688,742
1944.....	2,651	2,968,527
1943.....	2,624	2,575,832
<i>Departures—</i>		
1947.....	3,434	5,944,018
1946.....	3,208	5,260,474
1945.....	3,284	4,621,510
1944.....	2,678	3,051,404
1943.....	2,642	2,654,458

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparison for 1946.

	1947		1946	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	898	3,512,366	811	3,016,062
Coastal or inland commercial (including fishery).....	2,408	2,415,886	2,247	2,202,250
Other.....	127	20,285	135	20,764
Total.....	3,433	5,948,537	3,193	5,239,076
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	897	3,508,330	815	3,034,354
Coastal or inland commercial (including fishery).....	2,412	2,416,502	2,250	2,203,752
Other.....	125	19,186	143	22,368
Total.....	3,434	5,944,018	3,208	5,260,474

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1947, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1947.....	3,681,595	4,660,820	8,342,415
1946.....	2,551,868	4,392,376	6,944,244
1945.....	1,812,369	4,904,744	6,717,113
1944.....	1,527,907	2,291,525	3,819,432
1943.....	1,852,766	1,089,447	2,942,213
<i>Domestic—</i>			
1947.....	641,871	1,823,587	2,465,458
1946.....	853,150	1,301,706	2,154,856
1945.....	1,427,446	864,958	2,292,404
1944.....	395,399	1,069,343	1,464,742
1943.....	353,627	961,034	1,314,661
<i>Total—</i>			
1947.....	4,323,466	6,484,407	10,807,873
1946.....	3,405,018	5,694,082	9,099,100
1945.....	3,239,815	5,769,702	9,009,517
1944.....	1,923,306	3,360,868	5,284,174
1943.....	2,206,393	2,050,481	4,256,874

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1947, with comparison for 1946.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	322,578	1,827,029	2,149,607	2,431,268
Coal, bituminous.....	1,128,739	38	1,128,777	1,108,649
Gasoline.....	316,939	674,916	991,855	826,825
Petroleum Oil, fuel.....	445,459	523,935	969,394	380,881
Flour, wheat.....	19,713	840,145	859,858	638,316
Petroleum Oil, crude.....	510,054	316,804	826,858	283,238
Kerosene.....	368,772	23,787	392,559	92,678
Sugar, raw.....	217,298	.....	217,298	178,442
Iron Ore.....	114,548	87,510	202,058	61,249
Motor Vehicles and Parts.....	2,590	132,412	135,002	165,863
Lumber (Planks, Boards and Flooring) and Square Timber.....	10,900	108,723	119,623	155,094
Gypsum, crude.....	102,183	8,680	110,863	75,940
Meats, canned, cured, prepared or preserved.....	290	109,919	110,209	144,733
Manganese Ore.....	38,640	65,558	104,198	121,070
Paper, newsprint.....	1,989	101,729	103,718	99,813
Cement, common or portland.....	1,366	99,608	100,974	84,186
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	81	88,121	88,202	46,783
Phosphate Rock.....	71,045	13,700	84,745	95,845
Petroleum Oil, refined not otherwise specified.....	4	79,821	79,825	125,273
Iron or Steel, scrap.....	70,038	126	70,164	22,952
Molasses.....	54,101	6,237	60,338	63,630
Wood-pulp.....	2,711	54,511	57,222	52,203
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....	.....	56,432	56,432	47,198

CARGO TONNAGE—COMMODITIES—Continued

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, anthracite.....	43,174	9,684	52,858	74,843
Ferro-alloys.....		47,717	47,717	39,117
Eggs, in shell.....		47,381	47,381	34,454
Machinery and Parts (except agricultural).....	11,936	33,580	45,516	22,209
Asbestos and Asbestos Manufactures.....	3,794	39,594	43,388	15,177
Fertilizers and Fertilizer Materials.....	10,058	33,213	43,271	43,820
Beverages, alcoholic.....	20,868	21,935	42,803	48,425
Paper not otherwise specified.....	3,254	38,263	41,517	36,287
Milk, condensed, evaporated or powdered.....		40,833	40,833	35,031
Sundries.....	6,705	34,060	40,765	2,759
Wood Laths, Pickets, Plywoods, Shingles and Veneers.....	1,035	35,570	36,605	28,963
Glass and Glass Manufactures.....	29,543	4,681	34,224	23,067
Sulphur.....	28,483	5,653	34,136	13,387
Iron or Steel Manufactures not otherwise specified.....	11,040	22,543	33,583	27,640
Lead and Lead Manufactures.....		33,235	33,312	31,114
Zinc spelter.....		32,800	32,800	14,632
Jute and Jute Manufactures.....	28,817	3,141	31,958	25,667
Pulpboard (except Wallboard).....		31,362	31,363	79,205
Cheese.....	32	28,147	28,179	50,044
Grain Products (Mill Products except Wheat Flour).....		27,855	27,855	44,900
Chrome Ore.....	21,123	6,257	27,380	25,900
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....	72	26,903	26,975	21,586
Dry Goods not otherwise specified.....	18,369	8,518	26,887	29,978
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	7,012	19,604	26,616	12,144
Nickel and Nickel Manufactures.....	20	26,300	26,320	13,292
Copper and Copper Manufactures not otherwise specified.....	1,637	24,005	25,642	21,081
Rubber Manufactures.....	471	22,759	23,230	9,793
Hay and Straw.....		21,456	21,456	17,202
Boats (including Canoes) and Parts.....	1,338	19,821	21,159	5,243
Wool, unmanufactured, and Wool Yarns.....	18,243	717	18,960	24,965
Vegetable Oils.....	14,043	1,967	16,010	11,232
Wallboard.....	706	15,070	15,776	10,017
Electrical Goods not otherwise specified.....	1,903	13,605	15,508	9,232
Potatoes.....	779	14,452	15,231	3,380
Tea.....	14,774	445	15,219	1,023
Locomotives and Parts.....	33	14,776	14,809	20,398
Hides, Leather and Leather Manufactures.....	2,772	11,600	14,372	16,695
Railway Equipment not otherwise specified.....	44	13,936	13,980	110,583
Fish (including Shell-fish), dried, pickled, salted or smoked.....	6,129	6,641	12,770	10,300
Vegetables, dried.....		12,544	12,544	14,432
Clay.....	12,106	54	12,160	817
Feed, animal or poultry, not otherwise specified.....		12,067	12,067	9,609
Fish (including Shell-fish), canned or preserved.....	828	11,149	11,977	12,310
Wax.....	27	11,945	11,972	6,533
Rubber, crude (including Latex).....	1,083	10,712	11,795	16,248
Paints, Pigments and Varnishes not otherwise specified.....	3,590	8,180	11,770	11,368
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	4	11,690	11,694	1,445
Aircraft and Parts.....	2,608	8,949	11,557	9,153
Ores and Concentrates not otherwise specified.....	112	11,370	11,482	9,053
Effects.....	6,367	4,456	10,823	9,918
Drugs and Druggists' Sundries.....	1,544	9,065	10,609	7,407
Match Splints.....		10,603	10,603	7,423
Sisal.....	10,527		10,527	17,246
Ordnance Stores not otherwise specified.....	10,370	78	10,448	14,744
Chinaware, Earthenware and Porcelainware.....	10,176	65	10,241	8,930
Acetic Acid.....	1	9,799	9,800	3,930
Eggs, dried, evaporated, desiccated or powdered.....		9,719	9,719	6,587
Fruits, dried.....	9,572	143	9,715	12,068
Salt.....	2,895	6,423	9,318	4,408
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	620	8,642	9,262	11,788
Calcium Carbide.....		9,248	9,248	5,517
Cereals.....		9,104	9,104	11,593
Meats, chilled, fresh or frozen.....		8,572	8,572	26,666
Bauxite Ore.....	8,565		8,565	
Box, Crate and Cooperage Materials, wooden.....		8,527	8,527	5,106

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Confectionery.....	3,591	4,663	8,254	4,872
Carpets and Mattings.....	8,011	123	8,134	5,512
Cocoa Beans, Cocoa Preparations and Chocolate (except Confectionery).....	7,267	717	7,984	18,112
Tobacco and Tobacco Manufactures.....	182	7,795	7,977	3,180
Furniture.....	2,404	5,403	7,807	4,418
Relief Clothing and Supplies.....		7,790	7,790	15,158
Rock and Stone.....	7,574	197	7,771	5,517
Toys.....	4,440	3,150	7,590	5,850
Brick.....	4,768	2,696	7,464	8,771
Ores and Concentrates, Lead.....		7,295	7,295	
Cotton, raw.....	7,036		7,036	5,006
Aluminium Manufactures not otherwise specified.....	1,851	5,070	6,921	6,230
Macaroni.....		6,722	6,722	4,726
Copper Concentrates, Matte and Ore.....		6,708	6,708	9,017
Food-stuffs, canned or preserved, not otherwise specified.....	188	6,510	6,698	8,548
Garden Bulbs and Shrubs.....	6,317	192	6,509	6,717
Coke.....		6,142	6,142	3,870
Fish Oils.....	5,991	130	6,121	1,270
Fruits, fresh, not otherwise specified.....	274	5,787	6,061	6,806
Hardware not otherwise specified.....	1,336	4,418	5,754	3,262
Asphalt and Asphalt Manufactures.....	112	5,612	5,724	1,349
Wooden Manufactures not otherwise specified.....	154	5,055	5,209	4,143
Linoleum.....	2,860	2,247	5,107	3,385
All Goods not otherwise specified.....	69,792	137,061	206,853	352,168
TOTAL.....	4,323,466	6,484,407	10,807,873	9,099,100

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1947, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1947.....	9,562	9,181	18,743
1946.....	4,240	4,477	8,717
1945.....	2,287	1,613	3,900
1944.....	140	906	1,406
1943.....	16	20	36
<i>Coastwise—</i>			
1947.....	75,991	69,190	145,181
1946.....	73,995	70,053	144,048
1945.....	79,560	69,342	148,902
1944.....	67,657	57,857	125,514
1943.....	60,929	53,836	114,765
<i>Total—</i>			
1947.....	85,553	78,371	163,924
1946.....	78,235	74,530	152,765
1945.....	81,847	70,955	152,802
1944.....	67,797	58,763	126,560
1943.....	60,945	53,856	114,801

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1947, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1947.....	11,612,547	61,969,120	73,581,667
1946.....	25,922,298	67,029,562	92,951,860
1945.....	40,206,939	102,873,071	143,080,010
1944.....	7,592,995	24,392,834	31,985,829
1943.....	2,056,840	9,977,970	12,034,810
<i>Via rail—</i>			
1947.....	55,687,127	2,548,393	58,235,520
1946.....	47,038,604	6,987,027	54,025,631
1945.....	72,238,084	11,661,727	83,899,811
1944.....	32,759,311	8,272,928	41,032,239
1943.....	18,048,090	11,624,710	29,672,800
<i>Via other—</i>			
1947.....	21,647	2,362,685	2,384,332
1946.....	6,434	4,599,301	4,605,735
1945.....	4,991	3,912,265	3,917,256
1944.....	19,883	3,482,882	3,502,765
1943.....	42,899	3,325,179	3,368,078
<i>Total—</i>			
1947.....	67,321,321	66,880,198	134,201,519
1946.....	72,967,336	78,615,890	151,583,226
1945.....	112,450,014	118,447,063	230,897,077
1944.....	40,372,189	36,148,644	76,520,833
1943.....	20,147,829	24,927,859	45,075,688

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1947, with comparison for 1946.

	1947	1946
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	94,971	88,631
Non-revenue cars.....	9,901	7,544
Total.....	104,872	96,175
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	26,428	22,795
Non-revenue cars.....	79,054	73,540
Total.....	105,482	96,335
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	140	158
Non-revenue cars.....	88	.....
Total.....	228	158
<i>Switched locally—</i>		
Revenue cars.....	1,760	2,062
Non-revenue cars.....	1,217	1,059
Total.....	2,977	3,121
<i>Total—</i>		
Revenue cars.....	123,299	113,646
Non-revenue cars.....	90,260	82,143
Total.....	213,559	195,789

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out, at a total cost of \$775,703, excluding maintenance on Jacques Cartier bridge, on which \$27,321 was expended.

The larger items were: Repairs to railway system, grain elevator system, shore and floating equipment, wharves and piers, sheds, cold storage warehouse, harbour lighting and electric power system.

CAPITAL WORKS

Expenditures chargeable either to capital or replacement reserve amounted to \$123,341. The principal items were:

Replacement of No. 3 Elevator Sub-station.—This entailed the transfer of electrical equipment by the Board's forces from the old sub-station No. 3 to the distribution room at No. 3 elevator. This work was started in 1946 and practically completed during 1947.

Power Service to Ships from Wharf Aprons.—During the year, 18 plug-in services were installed at the open wharves between Windmill point and section No. 49. This completes the first stage of a project which, when finished, will provide plug-in connections at each berth throughout the harbour.

Purchase of Real Estate.—The purchase of a parcel of land at section 66, which will provide a roadway from Notre Dame Street to the harbour boundary and waterfront, was made.

Minor Items.—These included the purchase of 3 trucks, 2 motorcycles, one automobile, one welding machine, a motor boat, one metal spraying machine, the completion of 3 public latrines, and work on 3 others; the outfitting of 2 harbour tugs; the continuation of work on garage at shed 11; installation of oil-heating system in head office building; installation of floodlights at Windmill point; preliminary work in connection with the proposed construction of a single storey shed at sections 29-30 and the proposed construction of two steel dump scows.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$4,990,919, as compared with \$4,897,323 in 1946, an increase of \$93,596. Receipts from the operation of wharves and sheds reflected the increase in cargo tonnage and exceeded those of the previous year by \$259,000, or 10 per cent. Larger revenues were also shown by the terminal railway and the cold storage warehouse. These increases, however, were offset to a considerable extent by reduced receipts from grain elevator operations and also from floating and shore equipment.

Operating and maintenance expenses were \$3,083,884, as against \$2,937,201 in 1946, an increase of \$146,683.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$575,330, as compared with \$1,299,469 in 1946.

The foregoing figures are exclusive of the operations of Jacques Cartier bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—

Harbour General		
Harbour Dues.....	\$ 35,612 91	
Miscellaneous.....	13,022 70	
	<hr/>	\$ 48,635 61
Wharves and Piers		
Top Wharfage.....	1,838,189 58	
Dockage.....	453,151 81	
Miscellaneous.....	226,679 36	
	<hr/>	2,518,020 75
Permanent Sheds		
Shed Rentals.....	283,810 50	
Storage.....	17,776 94	
Miscellaneous.....	21,802 14	
	<hr/>	323,389 58
Shed Hoists.....		30,595 54
Railway System.....		543,635 11
Grain Elevator System		
Elevation.....	731,694 81	
Storage.....	109,571 78	
Miscellaneous.....	48,484 09	
	<hr/>	889,750 68
Cold Storage System.		
Storage.....	307,377 88	
Miscellaneous.....	38,596 09	
	<hr/>	345,973 97
Miscellaneous—Outsiders.....		290,918 00
		<hr/>
		\$ 4,990,919 24

OPERATING EXPENSES—

Administration.....		464,784 63
Operation and Maintenance		
Harbour Dredging.....	38,571 54	
Harbour General.....	341,461 62	
Roads, Fences and Boundaries.....	44,803 78	
Sewers and Drains.....	6,102 76	
Wharves and Piers.....	78,552 51	
Permanent Sheds.....	86,732 08	
Shed Hoists.....	27,887 49	
Railway System.....	716,352 96	
Grain Elevator System.....	793,618 44	
Cold Storage System.....	268,639 44	
Miscellaneous—Outsiders.....	216,376 28	
	<hr/>	2,619,098 90
		<hr/>
		3,083,883 53
Operating Income.....		1,907,035 71

INCOME RECEIVED FROM RESERVE FUNDS..... 249,754 41

MISCELLANEOUS INCOME CREDITS..... 29,705 10

279,459 51

Total Income..... 2,186,495 22

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	249,754 41	
Miscellaneous Income Charges.....	2,349 65	
	<hr/>	252,104 06
		<hr/>
		1,934,391 16

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	815,402 00	
Interest due Dominion Government.....	1,694,319 59	
	<hr/>	2,509,721 59

Net Income Deficit.....\$ 575,830 43

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS

FIXED—	
Harbour Dredging.....	\$ 5,504,416 49
Real Estate.....	2,235,970 91
Roads, Fences and Boundaries.....	780,882 46
Sewers and Drains.....	153,302 60
Miscellaneous Structures.....	400,779 04
Wharves and Piers.....	24,935,270 33
Permanent Sheds.....	6,708,320 36
Shed Hoists.....	236,972 88
Railway System.....	4,095,349 90
Grain Elevator System.....	15,621,727 82
Cold Storage System.....	3,013,569 60
Office Furniture and Appliances.....	49,319 71
Harbour Buildings.....	297,202 03
Central Heating Plants.....	14,579 46
Harbour Shops.....	288,970 38
Electric Power System.....	1,063,776 52
Water Supply System.....	163,997 31
Floating Equipment.....	791,170 36
Shore Equipment.....	372,571 06
Works under Construction.....	29,115 76
	<u>\$66,817,324 98</u>

CURRENT—

Cash—Receiver General of Canada	\$ 525,017 21
Cash—On Hand.....	29,705 24
Accounts Receivable.....	\$ 437,246 73
Less—Reserve for Bad Debts.....	877 13

Advances due on Capital Account.....	436,369 60
Stores on Hand.....	15,370 05
Accrued Revenue.....	311,188 83
Other Assets.....	49,277 60
	<u>31,919 98</u>

1,398,848 51

SECURITY DEPOSITS.

97,468 55

REPLACEMENT FUND.

8,512,946 88

FIRE AND GENERAL INSURANCE FUND.

797,327 07

PREPAID CHARGES.

10,917 17

DEFERRED DEBITS.

9,669 14

\$77,644,502 30

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$60,203,856 35
Expenditure under Appropriations.....	4,526,842 34
Govt. Loans Applied for—Contra.....	15,370 05
	<u>\$64,746,068 74</u>

ACCOUNTS PAYABLE—CONSTRUCTION.....	8,158 41
---	----------

CURRENT—

Accounts Payable.....	\$ 122,004 69
Salaries and Wages Payable.....	43,821 62
Matured Interest due Dominion Government.....	5,686,245 75
Unclaimed Wages.....	354 79
	<u>5,852,426 85</u>

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	97,468 55
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RESERVES—

Replacements.....	8,532,704 23
Fire and General Insurance.....	797,534 19
	<u>9,330,238 42</u>

DEFERRED CREDITS.....	60,544 83
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80,094,905 80

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1946.....	11,087,357 57
Net Income Deficit for 1947.....	575,330 43
	<u>11,662,688 00</u>

Deduct—

Adjustments in 1947.....	9,212,284 50
	<u>2,450,403 50</u>

\$77,644,502 30

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge during calendar year 1947, with comparisons for 1946.

	1947	1946
Passengers in vehicles.....	9,048,228	8,630,969
Automobiles (passenger).....	2,482,594	2,138,928
Trucks.....	513,319	437,478
Buses.....	90,453	78,400
All others.....	27,682	24,708

REVENUES AND EXPENDITURES

Establishing a new record, earnings of the bridge amounted to \$835,097, exceeding those of 1946 by \$104,396. Operating and maintenance expenses were \$118,779, as compared with \$113,337 in the previous year.

After making provision for interest on bonds, reserves for depreciation and replacements, and other charges against income, there was a net income deficit of \$766,826, towards which, under agreement, contributions of \$141,173 each are payable by the Province of Quebec and the City of Montreal. The corresponding net income deficit in 1946 was \$900,083.

As reported previously, the City of Montreal, disclaiming liability, did not pay the contribution of \$150,000 in respect of deficit incurred in the operation of the bridge in 1944. The contributions for 1945 and 1946 also were not paid. Legal proceedings have been instituted against the City.

The Province of Quebec has also withheld payment of its contributions.

Consequently, the balance sheet of the bridge as at December 31, 1947, shows accounts receivable of \$1,182,345, being contributions due from both the Province and the City in respect of deficits incurred in the years 1944 to 1947 inclusive.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Bridge Tolls Collected.....	\$ 828,024 32	
Sundry Receipts.....	7,072 50	
	<u> </u>	\$ 835,096 82

OPERATING EXPENSES—

Administration.....	23,109 36	
Operation.....	68,348 74	
Maintenance.....	27,320 70	
	<u> </u>	118,778 80

Operating Income..... 716,318 02

INCOME RECEIVED FROM RESERVE FUNDS..... 18,368 94

MISCELLANEOUS INCOME CREDITS.....	1,736 50	
	<u> </u>	20,105 44

Total Income..... 736,423 46

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	18,368 94	
Trustees' Fees, Commissions, etc.....	6,572 20	
Bond Discount.....	8,846 16	
	<u> </u>	33,787 30

Income Available for Interest due Public..... 702,636 16

INTEREST ON DEBT TO THE PUBLIC..... 950,000 00

247,363 84

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	10,000 00	
Reserve for Depreciation.....	166,154 63	
Interest due Dominion Government.....	343,307 59	
	<u> </u>	519,462 22

766,826 06

Deduct—

Proportion of Deficit Payable by:

Province of Quebec.....	141,172 82	
City of Montreal.....	141,172 82	
	<u> </u>	282,345 64

Net Income *Deficit*..... \$ 484,480 42

Jacques Cartier Bridge—Montreal

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS		LIABILITIES	
Fixed—		DEBENTURE INDEBTEDNESS TO PUBLIC—	
Bridge Structure, Right-of-Way, etc.	\$18,585,807 21	Forty-year 5% First Mortgage Guaranteed Gold Bonds, Maturing 1st November, 1969	\$19,000,000 00
Current—		DOMINION GOVERNMENT ACCOUNT—	
Cash—Receiver General of Canada.	\$ 91,157 19	Advances to meet Interest on Bonds	7,086,031 00
Cash—On Hand	3,895 50	CURRENT—	
Cash in Bank—Coupon Account	19,302 50	Accounts Payable	\$ 11,372 60
Accounts Receivable	14,475 05	Salaries and Wages Payable	1,415 68
Province of Quebec—		Matured Interest due Dominion Government	3,150,406 76
On Account of Deficit	591,172 82	Matured Interest due Public—Contra	19,302 50
City of Montreal—		Accrued Interest due Public	158,333 34
On Account of Deficit	591,172 82	RESERVES—	
Stores on Hand	1,196,820 69	Maintenance—General	367,020 14
	589 46	Maintenance—Painting	265,269 53
	1,311,765 34	Depreciation	2,658,338 44
MISCELLANEOUS FUNDS			3,290,628 11
	700,087 76	DEFERRED CREDITS	
			379 17
			32,717,869 16
BOND DISCOUNT SUSPENSE ACCOUNT		SURPLUS AND DEFICIT ACCOUNT	
	193,141 86	Deficit as at December 31, 1946	11,439,297 07
PREPAID CHARGES		Net Income Deficit for 1947	484,480 42
	3,289 50		11,923,777 49
	\$20,794,091 67		\$20,794,091 67

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include: a grain elevator with a storage capacity of 5,500,000 bushels with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1947, with comparisons for previous years.

—	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1947.....	9,085,839	7,701,869	16,787,708
1946.....	7,457,193	5,659,845	13,117,038
1945.....	14,432,839	13,095,924	27,528,763
1944.....	10,319,022	4,348,763	14,667,785
1943.....	1,870,683	373,085	2,243,768
<i>Via rail—</i>			
1947.....	578,312	746,291	1,324,603
1946.....	363,237	2,524,916	2,888,153
1945.....	415,870	4,089,029	4,504,899
1944.....	873,558	3,729,292	4,602,850
1943.....	336,820	4,021,431	4,358,251
<i>Via other—</i>			
1947.....		653,165	653,165
1946.....		614,616	614,616
1945.....		530,985	530,985
1944.....		480,792	480,792
1943.....		212,077	212,077
<i>Total—</i>			
1947.....	9,664,151	9,101,325	18,765,476
1946.....	7,820,430	8,799,377	16,619,807
1945.....	14,848,709	17,715,938	32,564,647
1944.....	11,192,580	8,558,847	19,751,427
1943.....	2,207,503	4,606,593	6,814,096

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$26,963. The major items were a new marine leg belt, renewal of lagging on lofterhead pulleys, replacement of a drive shaft in one marine leg, painting receiving hoppers and ventilators, track maintenance, renewal of a portion of the signal system and repairs to the electrical system.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$136,750, as compared with \$111,911 in 1946. Expenditures on operation and maintenance were \$119,687, as against \$101,812 in 1946.

Net income surplus for the year was \$16,788, as against \$18,281 in 1946, a decrease of \$1,493. No charge for interest or depreciation of property is made in the accounts of this facility.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Harbour General		
Miscellaneous.....	\$	273 66
Wharves and Piers		
Top Wharfage.....	\$	12,672 57
Railway System.....		227 00
Grain Elevator System		
Elevation.....	\$	79,596 02
Storage.....		16,605 36
Miscellaneous.....		27,375 81
		<u>123,577 19</u>

OPERATING EXPENSES—

Administration.....		20,944 43	
Operation and Maintenance			
Grain Elevator System.....		98,742 63	
		<u>119,687 06</u>	
Operating Income.....			17,063 36

MISCELLANEOUS INCOME CREDITS.....		154 98
Total Income.....		<u>17,218 34</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....		430 59
Net Income Surplus.....	\$	<u><u>16,787 75</u></u>

Prescott Elevator

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS

FIXED—	
Wharves and Piers.....	\$ 961,260 11
Railway System.....	373,248 47
Grain Elevator System.....	3,549,717 17
Office Furniture and Appliances.....	2,372 75
Miscellaneous Small Plant.....	1,932 24
	<u>\$ 4,888,530 74</u>

CURRENT—

Cash—Receiver General of Canada \$ 10,912 17	
Cash—On Hand.....	76 33
Accounts Receivable.....	10,988 50
Stores on Hand.....	23,634 98
Accrued Revenue.....	9,293 86
Other Assets.....	4,516 03
	<u>782 66</u>

49,216 03

PREPAID CHARGES.....

22 11

DEFERRED DEBITS.....

84 00

\$ 4,937,852 88

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Expenditure under Appropriations.....	\$ 4,895,939 56
CURRENT—	
Accounts Payable.....	\$ 3,899 46
Salaries and Wages Payable.....	1,579 33
Unclaimed Wages.....	34
	<u>5,479 13</u>

DEFERRED CREDITS..... 95 65

4,901,514 34

SURPLUS AND DEFICIT ACCOUNT—

Surplus as at December 31, 1946..... 37,831 59

Net Income Surplus for 1947..... 16,787 75

54,619 34

DEDUCT—

Payment to Dominion Government on account of Surplus Earnings.....

18,280 80

36,338 54

\$ 4,937,852 88

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1947, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1947.....	14,703,325	11,350,458	26,053,783
1946.....	19,618,350	15,143,725	34,762,075
1945.....	27,607,688	22,774,250	50,381,938
1944.....	9,065,125	6,424,015	15,489,140
1943.....	4,058,365	278,455	4,336,820
<i>Via rail—</i>			
1947.....	70,076	3,042,151	3,112,227
1946.....	4,523	4,292,909	4,297,432
1945.....		2,714,152	2,714,152
1944.....	1,614	2,441,184	2,442,798
1943.....		4,325,750	4,325,750
<i>Via other—</i>			
1947.....		355,953	355,953
1946.....		272,319	272,319
1945.....		1,730,209	1,730,209
1944.....		185,298	185,298
1943.....		63,965	63,965
<i>Total—</i>			
1947.....	14,773,401	14,748,562	29,521,963
1946.....	19,622,873	19,708,953	39,331,826
1945.....	27,607,688	27,218,611	54,826,299
1944.....	9,066,739	9,050,497	18,117,236
1943.....	4,058,365	4,668,170	8,726,535

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$32,157. The major items were overhauling automatic scales and repairs to vessel shovel gear, marine legs, conveyors, vessel loading spouts, inside electrical circuits, building structure and wharves.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$208,871, as compared with \$223,631 in 1946. Operating and maintenance expenses were \$142,265, the corresponding figure for 1946 being \$140,494.

Net income surplus for 1947 was \$70,352, as against \$91,753 in the previous year, a decrease of \$21,401. No charge is made in the accounts of this facility for interest (except a small amount on recent capital expenditures) or for depreciation of physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Elevation.....	\$ 134,843 93	
Storage.....	73,648 13	
Miscellaneous.....	379 20	
	<u> </u>	\$ 208,871 26

OPERATING EXPENSES—

Administration.....	25,360 25	
Operation and Maintenance.....	116,905 24	
	<u> </u>	142,265 49
Operating Income.....		66,605 77

MISCELLANEOUS INCOME CREDITS.....	5,116 91
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Total Income.....	<u>71,722 68</u>
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	1,356 06
	<u>70,366 62</u>

OTHER INCOME REQUIREMENTS—

Interest due Dominion Govt.....	15 10
Net Income Surplus.....	<u>\$ 70,351 52</u>

Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS		LIABILITIES	
FIXED—			
Real Estate.....	\$ 21,875 80	DOMINION GOVERNMENT ACCOUNT—	
Wharves and Piers.....	533,644 00	Expenditure under Appropriations..... \$ 2,356,217 60	
Railway System.....	42,189 22	Loans and Advances—Interest Bearing..... 819 46	
Grain Elevator System.....	1,766,246 48	<u>\$ 2,357,037 06</u>	
Office Furniture and Appliances.....	2,151 02	CURRENT—	
Miscellaneous—Small Plant.....	4,495 02	Accounts Payable.....	2,560 57
	<u>\$ 2,370,601 54</u>	Salaries and Wages Payable.....	2,996 55
		Matured Interest due—Dominion Government..	15 10
			<u>5,572 22</u>
CURRENT—		SURPLUS AND DEFICIT ACCOUNT—	
Cash—Receiver General of Canada \$ 59,378 30		Surplus as at December 31, 1946..... 158,140 62	
Cash —On Hand.....	4,202 65	Net Income Surplus for 1947..... 70,351 52	
		<u>228,492 14</u>	
Accounts Receivable.....	63,580 95	DEDUCT—	
Stores on Hand.....	36,619 23	Payment to Dominion Government on account	
		of Surplus Earnings..... 91,753 39	
		<u>136,738 75</u>	
DEFERRED DEBITS.....		<u>\$ 2,499,348 03</u>	
		<u><u>\$ 2,499,348 03</u></u>	

HARBOUR OF CHURCHILL

The Harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include: 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels, equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, a locomotive crane of 20 tons capacity, a floating crane of 10 tons capacity, shear legs of 35 tons capacity and a marine slipway capable of handling boats up to 1,200 tons weight.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	35	68,361
1946.....	21	40,413
1945.....	9	2,146
1944.....	12	4,109
1943.....	35	25,026
<i>Departures—</i>		
1947.....	35	68,361
1946.....	22	40,510
1945.....	9	2,146
1944.....	12	4,109
1943.....	38	25,809

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparison for 1946.

	1947		1946	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	16	63,831	12	39,619
Coastal or inland commercial (including fishery).....	19	4,530	9	794
Total.....	35	68,361	21	40,413
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	16	63,831	12	39,619
Coastal or inland commercial (including fishery).....	19	4,530	10	891
Total.....	35	68,361	22	40,510

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1947, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1947.....	375	153,841	154,216
1946.....	37	91,641	91,678
1945.....			
1944.....	20	280	300
1943.....		22,207	22,207
<i>Domestic—</i>			
1947.....	50	1,994	2,044
1946.....	56	2,010	2,066
1945.....	30	1,077	1,107
1944.....	45	1,103	1,148
1943.....	1,232	10,288	11,520
<i>Total—</i>			
1947.....	425	155,835	156,260
1946.....	93	93,651	93,744
1945.....	30	1,077	1,107
1944.....	65	1,383	1,448
1943.....	1,232	32,495	33,727

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1947, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1947.....		4,975,754	4,975,754
1946.....		2,928,876	2,928,876
1945.....			
1944.....			
1943.....		740,219	740,219
<i>Via rail—</i>			
1947.....	5,042,709		5,042,709
1946.....	1,093,881		1,093,881
1945.....			
1944.....			
1943.....			
<i>Via other—</i>			
1947.....			
1946.....		60	60
1945.....		90	90
1944.....		25	25
1943.....			
<i>Total—</i>			
1947.....	5,042,709	4,975,754	10,018,463
1946.....	1,093,881	2,928,936	4,022,817
1945.....		90	90
1944.....		25	25
1943.....		740,219	740,219

MAINTENANCE AND CAPITAL EXPENDITURES

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$45,477. The principal items were repairs to car hauls, painting part of the conveyor gallery, repairs to loading spouts, repairs to water supply system and general maintenance of all facilities.

CAPITAL EXPENDITURES

Capital expenditures amounted to \$1,751 for the purchase of an electric welding machine.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$218,061, as compared with \$72,713 in 1946. Expenditures on operation and maintenance were \$284,725, as against \$173,225 in 1946.

After taking into account income credits and debits, there was a net income deficit of \$67,070, as compared with a deficit of \$101,010 shown in 1946, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—			
Harbour General			
Harbour Dues.....	\$	127 00	
Miscellaneous.....		1,850 00	
		<u>\$</u>	1,977 00
Wharves and Piers			
Top Wharfage.....		962 80	
Dockage.....		4,700 00	
		<u></u>	5,662 80
Permanent Sheds			
Storage.....			1,274 54
Grain Elevator System			
Elevation.....		63,862 99	
Storage.....		24,593 76	
Miscellaneous.....		45,952 93	
		<u></u>	134,409 68
Miscellaneous—Outsiders.....			74,736 82
			<u>\$</u> 218,060 84
OPERATING EXPENSES—			
Administration.....			32,856 85
Operation and Maintenance			
Harbour Dredging.....		11,782 69	
Harbour General.....		24,154 00	
Roads, Fences and Boundaries.....		3,120 07	
Wharves and Piers.....		7,290 08	
Permanent Sheds.....		2,929 07	
Grain Elevator System.....		131,926 50	
Miscellaneous—Outsiders.....		70,665 27	
		<u></u>	251,867 68
			<u>284,724 53</u>
Operating Deficit.....			66,663 69
MISCELLANEOUS INCOME CREDITS.....			5 00
			<u>66,658 69</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Miscellaneous Income Charges.....			22 50
			<u>66,681 19</u>
OTHER INCOME REQUIREMENTS—			
Interest due Dominion Government.....			388 85
			<u>67,070 04</u>
Net Income Deficit.....	\$		

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS

FIXED—		LIABILITIES	
Harbour Dredging.....	\$ 1,180,299 95	DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	60,277 58	Loans and Advances (Interest bearing).....	\$ 15,572 25
Miscellaneous Structures.....	173,228 40	Expenditure under Appropriations.....	12,875,575 21
Wharves and Piers.....	1,367,768 68		<u>\$12,891,147 46</u>
Permanent Sheds.....	200,594 74	CURRENT—	
Railway System.....	23,097 68	Accounts Payable.....	4,992 52
Grain Elevator System.....	4,133,460 34	Salaries and Wages Payable.....	6,419 72
Harbour Buildings.....	147,300 05	Matured Interest due Dominion Government..	1,825 43
Harbour Shops.....	13,299 71		<u>13,237 67</u>
Water Supply System.....	407,897 10	DEFERRED CREDITS.....	
Electric Power System.....	19,491 34		4,928 09
Floating Equipment.....	758,329 91		<u>12,909,313 22</u>
Shore Equipment.....	3,562 27	SURREPLUS AND DEFICIT ACCOUNT—	
Miscellaneous Small Plant.....	425,820 68	Deficit as at December 31, 1946.....	6,711 15
Engineering—General Surveys.....	109,441 06	Net Income Deficit for 1947.....	67,070 04
Sundry Expenditure (Undistributed).....	3,774,378 35	Adjustment in 1947.....	35 00
	<u>\$12,798,247 84</u>		<u>73,816 19</u>

CURRENT—

Cash—Receiver General of Canada.....	\$ 16,578 99	Deduct—	
Cash—On Hand.....	991 40	Government Grant <i>re</i> 1947 Deficit.....	66,681 19
Accounts Receivable.....	17,570 39		<u>7,135 00</u>
Advances due on Deficit Account.....	11,192 63		<u>\$12,902,178 22</u>
Stores on Hand.....	4,681 19		
Accrued Revenue.....	69,122 67		
	<u>1,360 00</u>		
PREPAID CHARGES.....	103,926 88		
	3 50		
	<u>\$12,902,178 22</u>		

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard Inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year round, has a minimum depth of 35 feet. The Board has 3 piers, a wharf and two jetties, having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,779,500 bushels, a combined loading capacity of about 200,000 bushels per hour and $1\frac{1}{2}$ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish. A 40-ton fixed derrick is installed on Lapointe pier.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1947 with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1947.....	28,946	13,353,027
1946.....	26,571	11,318,914
1945.....	24,597	9,824,176
1944.....	24,530	9,081,029
1943.....	24,772	8,519,256
<i>Departures—</i>		
1947.....	28,765	13,406,361
1946.....	26,689	11,340,763
1945.....	24,801	9,805,637
1944.....	24,525	9,312,621
1943.....	24,858	8,799,244

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1947, with comparison for 1946.

	1947		1946	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	928	3,977,601	787	3,320,918
Coastal or inland commercial (including fishery).....	28,018	9,375,426	25,784	7,997,996
Total.....	28,946	13,353,027	26,571	11,318,914
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	951	4,054,041	807	3,340,212
Coastal or inland commercial (including fishery).....	27,814	9,352,320	25,882	8,000,551
Total.....	28,765	13,406,361	26,689	11,340,763

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1947, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1947.....	2,154,984	2,329,496	4,484,480
1946.....	1,715,490	2,519,447	4,234,937
1945.....	1,428,889	1,671,379	3,100,268
1944.....	1,515,019	1,225,246	2,740,265
1943.....	1,264,257	576,246	1,840,503
<i>Domestic—</i>			
1947.....	2,949,213	1,527,237	4,476,450
1946.....	2,663,773	1,345,871	4,009,644
1945.....	2,688,433	1,203,821	3,892,254
1944.....	2,772,580	1,298,445	4,071,025
1943.....	2,601,924	1,207,407	3,809,331
<i>Total—</i>			
1947.....	5,104,197	3,856,733	8,960,930
1946.....	4,379,263	3,865,318	8,244,581
1945.....	4,117,322	2,875,200	6,992,522
1944.....	4,287,599	2,523,691	6,811,290
1943.....	3,866,181	1,783,653	5,649,834

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnage of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1947, with comparison for 1946.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....		1,336,909	1,336,909	1,720,804
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	1,103,301	164,696	1,267,997	1,029,439
Petroleum Oil, crude.....	972,498		972,498	865,037
Lumber (Planks, Boards and Flooring) and Square Timber.....	499,022	411,938	910,960	761,450
Petroleum Oil, fuel.....	588,464	316,944	905,408	773,280
Sand and Gravel.....	384,093	19,491	403,584	380,083
Gasoline.....	181,080	136,982	318,062	221,617
Flour, wheat.....	18	259,209	259,227	176,922
Paper, newsprint.....	209,827	19,487	229,314	253,120
Wood-pulp.....	179,404	22,536	201,940	164,493
Coal, bituminous.....	135,392	37,057	172,449	189,854
Kerosene.....	84,696	28,734	113,430	51,022
Rock and Stone.....	3,279	99,913	103,192	63,626
Fish (including Shell-fish), canned or preserved.....	35,190	66,194	101,384	102,437
Cement, common or portland.....	93,331	7,596	100,927	74,550
Sugar, raw.....	82,793		82,793	39,534
Fertilizers and Fertilizer Materials.....	6,695	72,785	79,480	75,241
Hog Fuel.....		59,467	59,467	68,335
Salt.....	25,813	8,496	34,309	26,205
Fish (including Shell-fish) fresh or frozen.....	32,502	498	33,000	29,787
Copra.....	31,859		31,859	35,779
Lime.....	30,030	1,036	31,066	27,557
Beverages, alcoholic.....	8,423	17,578	26,001	21,407

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1947	Outward 1947	Total 1947	Total 1946
	(Tons)	(Tons)	(Tons)	(Tons)
Petroleum Oil, refined not otherwise specified.....	6,097	17,955	24,052	15,399
Paper not otherwise specified.....	11,569	12,228	23,797	29,210
Motor Vehicles and Parts.....	10,063	12,563	22,626	28,050
Sulphur.....	9,603	8,867	18,470	9,175
Machinery and Parts (except agricultural).....	3,777	12,761	16,538	13,901
Chemicals not otherwise specified.....	5,919	7,167	13,086	17,758
Jute and Jute Manufactures.....	11,831	604	12,435	6,443
Box, Crate and Cooperage Materials, wooden.....	1,851	9,395	11,246	13,374
Pulpboard (except Wallboard).....	10,121	1,014	11,135	2,007
Coffee Beans and Coffee Preparations.....	10,404	51	10,455	13,108
Tin and Tin Manufactures.....	105	9,361	9,466	6,961
Wool, unmanufactured, and Wool Yarns.....	9,366	.....	9,366	35,108
Live Stock.....	6,943	1,962	8,905	8,786
Ores and Concentrates not otherwise specified.....	8,253	5	8,258	5,933
Wood Laths, Pickets, Plywoods, Shingles and Veneers	2,027	6,216	8,243	10,308
Creosote Oil.....	7,525	618	8,143	383
Feed, animal or poultry, not otherwise specified.....	84	7,994	8,078	5,890
Lead and Lead Manufactures.....	16	7,373	7,389	12,353
Potatoes.....	.....	7,260	7,260	1,647
Apples.....	.....	6,907	6,907	7,787
Fish (including Shell-fish), dried, pickled, salted or smoked.....	1,933	4,773	6,706	8,771
Zinc Spelter.....	.....	6,675	6,675	11,767
Glass and Glass Manufactures.....	6,401	172	6,573	1,857
Iron or Steel, structural.....	285	6,053	6,338	2,422
Explosives, including Fuses and Blasting Caps.....	5,097	875	5,972	4,637
Fish Oils.....	5,391	351	5,742	4,550
Brick.....	4,184	1,547	5,731	6,573
Containers, returned empty.....	4,079	1,521	5,600	5,000
All Goods not otherwise specified.....	273,559	616,919	890,478	803,844
Total.....	5,104,197	3,856,733	8,960,930	8,244,581

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1947, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1947.....	625	494	1,119
1946.....	844	5,404	6,248
1945.....	591	220	811
1944.....	247	34	281
1943.....	233	49	282
<i>Coastwise—</i>			
1947.....	911,367	943,928	1,855,295
1946.....	942,297	955,383	1,897,680
1945.....	967,983	973,899	1,941,882
1944.....	933,839	932,328	1,866,167
1943.....	923,395	920,234	1,843,629
<i>Total—</i>			
1947.....	911,992	944,422	1,856,414
1946.....	943,141	960,787	1,903,928
1945.....	968,574	974,119	1,942,693
1944.....	934,086	932,362	1,866,448
1943.....	923,628	920,283	1,843,911

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1947, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1947.....		46,892,430	46,892,430
1946.....	86,016	57,629,111	57,715,127
1945.....		32,000,960	32,000,960
1944.....		14,552,674	14,552,674
1943.....		4,853,270	4,853,270
<i>Via rail—</i>			
1947.....	53,309,338	6,841,072	60,150,410
1946.....	62,308,200	8,368,282	70,676,482
1945.....	34,655,617	8,612,136	43,267,753
1944.....	20,137,598	4,952,097	25,089,695
1943.....	9,094,135	5,433,190	14,527,325
<i>Via other—</i>			
1947.....	14,563		14,563
1946.....	2,290		2,290
1945.....	22,649		22,649
1944.....	18,839		18,839
1943.....	13,468		13,468
<i>Total—</i>			
1947.....	53,323,901	53,733,502	107,057,403
1946.....	62,396,606	65,997,393	128,393,999
1945.....	34,678,266	40,613,096	75,291,362
1944.....	20,156,437	19,504,771	39,661,208
1943.....	9,107,603	10,286,460	19,394,063

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1947, with comparison for 1946.

	1947	1946
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	13,249	15,090
Non-revenue cars.....	5,931	6,228
Total.....	19,180	21,318
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	5,790	5,943
Non-revenue cars.....	13,452	14,803
Total.....	19,242	20,746
<i>Through cars, from connecting lines to connecting lines—</i>		
Revenue cars.....	20,304	19,153
Non-revenue cars.....	19,470	18,652
Total.....	39,774	37,805
<i>Switched locally—</i>		
Revenue cars.....	795	706
Non-revenue cars.....	74	151
Total.....	869	857
<i>Total—</i>		
Revenue cars.....	40,138	40,892
Non-revenue cars.....	38,927	39,834
Total.....	79,065	80,726

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$248,774, excluding maintenance of Second Narrows bridge, upon which \$14,634 was expended. The principal items were repairs to cranes at Ballantyne pier, remodelling harbour office building, replacement of timber bulkhead at foot of Commercial drive, resurfacing west apron, Ballantyne pier, resurfacing roadway at Fish wharf, renewal of stairs and ramp to Immigration float, repairs to east and west bulkheads of shed No. 1, and foundation and floor of shed 2, Lapointe pier, overhaul of two locomotives, renewal of mudsills of the south approach roadway to Second Narrows bridge and progressive renewal of Second Narrows bridge roadway and sidewalk stringers, planking and running plates on spans.

CAPITAL WORKS

Capital expenditure, part of which was provided from replacement fund, amounted to \$230,072. The principal items were:

Renewal of Superstructure, West Indies Wharf.—In September a contract was awarded for the renewal in concrete of the superstructure of West Indies wharf. The work was approximately 75 per cent completed during the year.

Renewal of a Portion of the Substructure and Floor of Shed 2, Lapointe Pier.—A contract was awarded in September for the renewal in concrete of a portion of the substructure and floor of Shed 2, Lapointe pier. The work was approximately 60 per cent completed during the year.

Major Equipment Purchases.—An 80-ton diesel electric locomotive and a 40-foot tug were purchased during the year.

Minor Items.—These included the installation of an additional cleaner in No. 4 elevator, paving roadway at Lapointe pier, installation of lighting facilities in the pedestrian passage at No. 3 jetty, construction of a catwalk and dumping platform at Ballantyne pier, installation of oil burning equipment in No. 3 elevator, the completion of additions to the ice making plant, installation of a meter and fittings on the 40-ton derrick at Lapointe pier, construction of two ships' gangways, purchase and reconditioning of two mooring buoys and purchase of a concrete mixer and a portable electric saw.

REVENUES AND EXPENDITURES

Operating revenues were \$2,206,235, as compared with \$2,184,238 in 1946, an increase of \$21,997. Operating and maintenance expenses showed an increase of \$223,363, the comparable figures being \$1,142,027 in 1947, and \$918,664 in 1946. Expenditures on maintenance were \$101,000 higher than in the previous year.

After taking into account income debits and credits and making provision for replacements and interest due the Dominion Government, there was a net income surplus of \$130,839, as compared with a deficit of \$154,995 in 1946.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Harbour General		
Harbour Dues	\$ 115,608 40	
Cargo Rates	679,481 01	
Miscellaneous	497,267 40	
		\$ 1,292,356 81
Wharves and Piers		
Top Wharfage	214,788 62	
Dockage	24,463 50	
Miscellaneous	9,395 10	
		248,647 22
Permanent Sheds		
Shed Rentals	23,103 00	
Storage	83,954 59	
Miscellaneous	16,957 66	
		124,015 25
Railway System		255,072 72
Grain Elevator System		
Rentals		217,090 23
Cold Storage System		
Storage	2,292 00	
Miscellaneous	32,611 05	
		34,903 05
Miscellaneous—Outsiders		34,149 73
		\$ 2,206,235 01

OPERATING EXPENSES—

Administration		156,077 15
Operating and Maintenance—		
Harbour General	356,450 66	
Roads, Fences and Boundaries	5,340 52	
Wharves and Piers	133,524 65	
Permanent Sheds	130,310 58	
Shed Hoists	3,033 01	
Railway System	258,627 60	
Grain Elevator System	42,340 73	
Cold Storage System	26,914 43	
Miscellaneous—Outsiders	29,408 02	
		985,950 20
		1,142,027 35
Operating Income		1,064,207 66

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS	194,091 52	
MISCELLANEOUS INCOME CREDITS	16,430 72	
		210,522 24
Total Income		1,274,729 90

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves	192,956 28	
Reserve for Bad Debts	1,202 07	
		194,158 35
		1,080,571 55

OTHER INCOME REQUIREMENTS

Reserve for Replacements	250,000 00	
Interest due Dominion Government	699,732 63	
		949,732 63
Net Income Surplus		\$ 130,838 92

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS

FIXED—	
Harbour Dredging.....	2,237 34
Real Estate.....	6,638,496 93
Vehicular Bridges.....	98 181 20
Roads, Fences and Boundaries.....	284,491 77
Miscellaneous Structures.....	14,355 27
Wharves and Piers.....	7,944,606 86
Permanent Sheds.....	1,437,356 96
Railway System.....	1,376,880 19
Grain Elevator System.....	6,584,846 90
Cold Storage System.....	95,285 45
Office Furniture and Appliances.....	38,137 81
Harbour Buildings.....	58,707 95
Water Supply System.....	860 25
Floating Equipment.....	40,576 02
Shore Equipment.....	287,940 01
Miscellaneous Small Plant.....	49,421 71
Engineering—General Surveys.....	3,084 59
Works under Construction.....	119,890 79
	<u>\$25,075,358 00</u>

CURRENT—

Cash—Receiver General of Canada	\$ 799,487 97
Cash—On Hand.....	14,338 24
	<u>813,826 21</u>

Accounts Receivable.....	190,052 04
Less—Reserve for Bad Debts.....	13,520 02
	<u>176,532 02</u>
Advances due on Capital Account.....	2,393 14
Stores on Hand.....	47,614 81
Accrued Revenue.....	12,556 25
	<u>1,052,922 43</u>

SECOND NARROWS BRIDGE—EQUITY.

INVESTMENTS.....	364,233 56
SECURITY DEPOSITS.....	44,738 88
REPLACEMENT FUND.....	30,531 64
FIRE AND GENERAL INSURANCE FUND.....	6,144,035 29
MISCELLANEOUS FUNDS.....	84,114 97
PREPAID CHARGES.....	42,920 54
DEFERRED DEBITS.....	2,277 48
	<u>17,057 06</u>
	<u>\$32,858,189 85</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$25,030,811 52
Expenditure under Appropriations.....	2,237 34
Govt. Loans Applied for (Contra).....	2,393 14
	<u>\$25,035,442 00</u>

ACCOUNTS PAYABLE—CONSTRUCTION.....	45,880 60
CONTRACTORS HOLDBACK—CONSTRUCTION.....	11,299 17

CURRENT—	
Accounts Payable.....	143,947 83
Salaries and Wages Payable.....	8,610 66
Matured Interest due Dominion Government.....	1,005,156 59
Contractors Holdback—Maintenance.....	3,901 42
Unclaimed Wages.....	424 26
	<u>1,162,040 76</u>

CONTRACTORS' SECURITY DEPOSITS—CONTRA.

30,531 64

RESERVES—

Replacement.....	6,144,185 14
Fire and General Insurance.....	84,164 28
Miscellaneous.....	18,692 38
	<u>6,247,041 80</u>

DEFERRED CREDITS AND SUSPENSE ACCOUNT.

99,130 79

32,631,366 76

SURPLUS AND DEFICIT ACCOUNT—

Deficit as at December 31, 1946.....	4,089,973 79
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DEDUCT—

Net Income Surplus 1947.....	\$ 130,838 92
Adjustment in 1947.....	4,185,957 96
	<u>4,316,796 88</u>

226,823 09

\$32,858,189 85

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge during calendar year 1947, with comparison for 1946.

	1947	1946
Passengers in vehicles and Pedestrians.....	2,682,075	2,436,426
Automobiles (Passenger).....	861,951	773,276
Trucks, including Buses.....	284,157	339,546
All others.....	2,163	2,221

REVENUES AND EXPENDITURES

Operating revenues amounted to \$224,447, as compared with \$189,076 in 1946, an increase of \$35,371. Operating and maintenance expenses were slightly higher than those of the previous year, the comparable figures being \$67,226 for 1947 and \$61,925 for 1946.

After charging interest on debt to Vancouver harbour, the bridge showed a surplus for the year of \$141,296, as compared with \$93,519 in 1946.

The 1947 surplus from operations to the extent of \$141,055 was applied, in accordance with the agreement under which the bridge was acquired by the Board's predecessors, against the expenditure incurred on the reconstruction of the bridge. A reserve fund for special maintenance which had been built up over a period of years to meet anticipated renewals and replacements was closed out and \$73,825 realized therefrom was also applied against the reconstruction debt. The above-mentioned amounts totalled \$214,880, bringing repayments to \$646,174, and leaving a balance unpaid of \$364,234.

Effective January 1, 1947, the rate of interest on the unpaid balance of reconstruction debt due Vancouver harbour was reduced from 5% to 2 $\frac{3}{4}$ %. At the same time the provisions of the agreement relating to the disposition of net revenues were amended, so as to permit the whole thereof to be applied annually towards repayment of the reconstruction cost and interest thereon at the reduced rate.

INCOME STATEMENT FOR THE CALENDAR YEAR 1947

OPERATING REVENUES—

Bridge Tolls.....	\$ 221,872 00	
Sundry Receipts.....	2,575 00	
		\$ 224,447 00

OPERATING EXPENSES—

Administration.....	5,466 94	
Operation.....	47,124 45	
Maintenance.....	14,634 19	
		67,225 58

Operating Income.....	157,221 42
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INCOME RECEIVED FROM RESERVE FUNDS.....	5,988 12
---	----------

Total Income.....	163,209 54
-------------------	------------

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserve.....	5,988 12
	157,221 42

INTEREST ON DEBT TO VANCOUVER HARBOUR.....	15,925 62
--	-----------

Operating Surplus (Before providing for instalments of principal).....	\$ 141,295 80
--	---------------

Second Narrows Bridge—Vancouver **BALANCE SHEET AS AT DECEMBER 31, 1947**

ASSETS		LIABILITIES	
FIXED—			
Capital Cost of Reconstruction of Bridge.....	\$ 1,010,407 80	CAPITAL—	
Office Furniture and Appliances.....	491 28	Advances from Vancouver Harbour—Unmatured Balance.....	\$ 364,233 56
		CURRENT—	
		Accounts Payable.....	115 71
		Ticket Liability.....	4,648 97
		DEFERRED CREDITS.....	4,764 68
			8 33
			<u>369,006 57</u>
CURRENT—		SURPLUS ACCOUNT (Representing Repayment of Principal out of Income)	
Cash—On Hand.....	\$ 1,008 35	Balance as at December 31, 1946.....	431,294 24
Accounts Receivable.....	604 32		
Accrued Revenue.....	432 88	Add—	
		Adjustments in 1947 applied to Repayment of Principal.....	73,824 60
		Part of 1947 Operating Surplus applied to Repayment of Principal.....	141,055 40
			<u>646,174 24</u>
		Balance 1947 Operating Surplus (not applied to Repayment of Principal).....	240 40
			<u>646,414 64</u>
PREPAID CHARGES.....			<u>\$ 1,015,421 21</u>

This Balance Sheet is drawn up so as to reflect the terms of an Agreement dated July 12, 1933, between Montreal Trust Co. and Vancouver Harbour Commissioners, and also a supplemental Agreement dated January 16, 1948, between the same parties.

HEAD OFFICE, OTTAWA

Statement of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1947

REVENUE—

Assessments.....	\$	166,006 86
------------------	----	------------

EXPENDITURE—

Salaries.....	\$	118,039 36
Travelling Expenses.....		4,555 26
Advertising.....		1,931 00
Office Expenses.....		23,430 96
Treasury Office—Salaries and Expenses.....		18,050 28
	\$	<u>166,006 86</u>

Head Office, Ottawa BALANCE SHEET AS AT DECEMBER 31, 1947

ASSETS		LIABILITIES	
FIXED—		CURRENT—	
Office Furniture and Appliances.....	\$ 3,820 24	Accounts Payable.....	\$ 3,099 96
CURRENT—		GENERAL WORKMEN'S COMPENSATION ACCOUNTS—	
Cash—Receiver General of Canada.....	\$ 3,089 46	Reserve.....	405,871 13
Cash—On Hand.....	10 50	Accounts Payable.....	12,472 39
	<u>3,099 96</u>		<u>418,343 52</u>
GENERAL WORKMEN'S COMPENSATION FUND—		PENSION ACCOUNTS—	
Cash and Securities.....	412,292 32	Accounts Payable.....	102 83
Accounts Receivable.....	6,051 20	Reserve.....	2,121,044 81
	<u>418,343 52</u>		<u>2,121,147 64</u>
PENSION FUND—		SURPLUS AND DEFICIT ACCOUNT—	
Cash.....	2,064,922 29	Surplus as at December 31, 1946.....	3,339 68
Accounts Receivable.....	56,225 35		<u>2,542,591 12</u>
	<u>2,121,147 64</u>	Add—	
		Adjustments in 1947.....	480 56
			<u>3,820 24</u>
			<u>\$ 2,546,411 36</u>

Inc Canada National Harbours Board

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ANNUAL REPORT

OF THE

NATIONAL HARBOURS BOARD

For Calendar Year

1948



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.Ph.,
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
CONTROLLER OF STATIONERY

1949

Price, 25 cents

ANNUAL REPORT

OF THE

NATIONAL HARBOURS
BOARD

For Calendar Year

1948



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.Ph.,
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
CONTROLLER OF STATIONERY

1949

NATIONAL HARBOURS BOARD

R. K. Smith, K.C.....Chairman.
J. E. St. Laurent, C.M.G., M.E.I.C.....Vice-Chairman.
B. J. Roberts, C.B.E.....Member.

C. P. Buckley.....	Secretary.
T. M. Bryson, M.B.E.....	Assistant Secretary.
E. G. Cameron, M.E.I.C.....	Chief Engineer.
W. C. Perron.....	Traffic Officer.

Halifax.....	R. W. Hendry, M.B.E.....	Port Manager.
Saint John.....	Russell Yuill, M.B.E., M.E.I.C...	Port Manager.
Chicoutimi.....	Jean Côté.....	Acting Port Manager.
Quebec.....	Louis Beaudry, M.E.I.C.....	Port Manager and Chief Engineer.
Three Rivers.....	J. R. Larivière.....	Port Manager.
Montreal.....	A. G. Murphy, M.E.I.C.....	Port Manager.
Prescott.....	Alex. Ross.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	A. E. McMaster.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 9, 1949

To the Honourable LIONEL CHEVRIER, K.C., M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the thirteenth annual report of the National Harbours Board, covering the operations for the calendar year 1948, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING

Vessel arrivals in 1948 numbered 43,627, the aggregate net registered tonnage being 33,006,672. The comparable figures for 1947 were 42,876 vessels, aggregating 29,856,603 net registered tons. The following statement shows the number and tonnage of vessels which arrived at and departed from harbours under the administration of the Board in the past five years:

VESSELS—ARRIVALS AND DEPARTURES

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	43,627	33,006,672
1947.....	42,876	29,856,603
1946.....	39,823	26,878,748
1945.....	38,467	29,046,089
1944.....	38,042	27,019,836
<i>Departures—</i>		
1948.....	43,175	33,002,902
1947.....	42,692	29,986,725
1946.....	39,955	26,899,044
1945.....	38,724	29,196,004
1944.....	37,983	27,079,680

(Exclusive of naval vessels)

CARGO TONNAGE

The aggregate cargo tonnage in 1948 at all harbours administered by the Board was 31,783,586, as compared with 31,163,807 in 1947. The increase over the previous year was 619,779 tons, or about 2 per cent. Domestic traffic increased by 13 per cent but foreign declined by 4 per cent. Inward foreign traffic increased by over one million tons but the outward movement to foreign countries was below that of the previous year by over one million, eight hundred thousand tons.

The following statement summarizes the volume of water-borne cargo tonnage in 1948 and the four previous years:

CARGO TONNAGE—SUMMARY

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	9,412,452	9,418,245	18,830,697
1947.....	8,367,607	11,295,790	19,663,397
1946.....	6,629,129	10,873,318	17,502,447
1945.....	6,798,404	13,396,284	20,194,688
1944.....	6,349,777	10,261,692	16,611,469
<i>Domestic—</i>			
1948.....	8,834,079	4,118,810	12,952,889
1947.....	7,561,578	3,938,832	11,500,410
1946.....	6,516,001	3,153,572	9,669,573
1945.....	7,257,650	2,630,609	9,888,259
1944.....	5,807,949	2,846,606	8,654,555
<i>Total—</i>			
1948.....	18,246,531	13,537,055	31,783,586
1947.....	15,929,185	15,234,622	31,163,807
1946.....	13,145,130	14,026,890	27,172,020
1945.....	14,056,054	16,026,893	30,082,947
1944.....	12,157,726	13,108,298	25,266,024

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

REVENUES AND EXPENDITURES

OPERATING REVENUES

Operating revenues of all units administered by the Board amounted to \$12,830,784, as compared with \$11,830,910 in 1947. The increase was \$999,874, or 8 per cent. Earnings derived from the use of wharves and sheds were slightly lower than in the previous year, but increased revenues were obtained from grain elevators, terminal railways, cold storage warehouses, toll bridges and miscellaneous services.

OPERATING EXPENSES

Expenses of administration, operation and maintenance in 1948 were \$7,608,578, as against \$7,010,775 in 1947, an increase of \$597,803 or 9 per cent. Of this increase, \$252,178 arose from additional outlay on maintenance of properties, upon which the total expenditure was \$2,090,886.

Operating income in 1948 showed a gain of \$402,071, the comparable figures being \$5,222,206 in 1948, as against \$4,820,135 in 1947.

After taking into account debits and credits to income and charging interest and reserve for replacements, the operations for 1948 resulted in a net income deficit of \$2,042,353. This compares with a deficit of \$2,410,062 in 1947. The deficit decreased, therefore, by \$367,709.

TARIFFS OF CHARGES

An increase in switching charges on the Montreal harbour terminal railway was put into effect as of May 1, 1948. The minimum rate of \$4.00 a car was increased to \$6.00 a car, and appropriate revisions made in other rates. The previous rates had been in effect since 1928. As of August 1, 1948, certain upward revisions in grain elevator charges became effective, in line with maximum rates authorized by the Board of Grain Commissioners. At Vancouver, handling, car loading and car unloading charges were advanced during the year a total of 25 cents a ton at private and Board terminals in view of increased costs. While such special service tariffs as the above-noted have been adjusted from time to time because of rising costs, harbour dues, dockage and top wharfage charges remain on the same basis as prior to the war. In 1948, total revenues of the Board

were nearly \$3,700,000 in excess of those of 1938. Operating expenses have risen \$3,200,000, or 73 per cent, in the interval. Since the Board's chief sources of revenue are from charges that have remained unchanged, it is apparent that the increased costs of operation and maintenance have been met largely as a result of the high level of business activity.

CONSOLIDATED STATEMENT—SEVEN HARBOURS

The operations of the Board fall into two divisions: first, the seven harbours administered by local commissioners prior to 1936, and secondly, the grain elevators at Prescott and Port Colborne and the harbour of Churchill, which were entrusted to the Board for operation at the beginning of 1937. Consolidated income statements for each of these divisions are set out below.

The seven harbours referred to—Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver—had aggregate operating revenues in 1948 of \$12,179,849, as compared with \$11,267,227 in 1947. The increase was \$912,622, or 8 per cent. Expenses of administration, operation and maintenance increased from \$6,464,097 in 1947 to \$6,937,573 in 1948, the difference being \$473,476, or 7 per cent. Operating income increased from \$4,803,130 in 1947 to \$5,242,276 in 1948.

After taking into account income debits and credits and charging interest and reserve for replacements, a net income deficit of \$2,022,604 was shown for these harbours in 1948. The corresponding figure for 1947 was \$2,430,131.

The following is a comparative income statement for the seven harbours referred to for each of the years 1944 to 1948 inclusive:—

CONSOLIDATED INCOME STATEMENT

HARBOURS OF HALIFAX, SAINT JOHN, CHICOUTIMI, QUEBEC, THREE RIVERS, MONTREAL AND VANCOUVER

	1948	1947	1946	1945	1944
OPERATING REVENUES.....	\$12,179,849	\$11,267,227	\$11,113,296	\$12,840,538	\$11,969,838
OPERATING AND MAINTENANCE EXPENSES	6,937,573	6,464,097	6,051,075	6,433,449	5,662,772
Operating Income.....	5,242,276	4,803,130	5,062,221	6,407,089	6,307,066
MISCELLANEOUS CREDITS (Net).....	56,708	22,938	111,928	54,497	55,936
Total Income.....	5,205,568	4,826,068	5,174,149	6,461,586	6,363,002
INTEREST DUE PUBLIC.....	1,001,232	1,019,872	1,040,497	1,012,703	1,014,307
	4,204,336	3,806,196	4,133,652	5,448,883	5,348,695
OTHER INCOME REQUIREMENTS—					
Reserve for Replacements.....	1,922,470	1,941,557	1,938,590	1,934,562	1,940,272
Interest due Government.....	4,494,394	4,577,116	7,062,765	7,049,368	7,037,507
	6,416,864	6,518,673	9,001,355	8,983,930	8,977,779
	2,212,528	2,712,477	4,867,703	3,535,047	3,629,084
Deduct—					
Special Contributions to Deficits					
(Bridge—Montreal).....	189,924	282,346	300,000	300,000	300,000
Net Income Deficit.....	\$2,022,604	\$2,430,131	\$4,567,703	\$3,235,047	\$3,329,084

PRESCOTT, PORT COLBORNE AND CHURCHILL

Consolidated income statement for the grain elevators at Prescott and Port Colborne and the harbour of Churchill showed operating revenues of \$650,935 in 1948, as compared with \$563,682 in the previous year. Operating and maintenance expenses were \$671,005 in 1948, as against \$546,677 in 1947. These three units showed a deficit of \$19,749 in 1948, as compared with a surplus of \$20,069 in the previous year. The quantity of grain handled at the Port Colborne elevator was slightly greater in 1948 than in 1947, but at Prescott, grain receipts were less than half the volume of the previous year. The net earnings of these

two facilities were \$63,800 below those of 1947. At the harbour of Churchill, grain shipments were 5,325,000 bushels, carried by fifteen vessels. Incoming cargo from overseas amounted to 949 tons. The 1948 operating deficit of this port was \$42,600, being \$24,000 less than in the previous year. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1948, showing also comparative figures for the preceding four years:

CONSOLIDATED INCOME STATEMENT
PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1948	1947	1946	1945	1944
Operating Revenues.....	\$650,935	\$563,682	\$408,255	\$555,285	\$568,481
Operating and Maintenance Expenses....	671,005	546,677	415,531	417,799	336,317
Other Debits and Credits (Net).....	20,070 321	17,005 3,064	7,276 16,301	137,486 8,911	232,164 703
Net Income Surplus or Deficit..	\$19,749	\$20,069	\$9,925	\$146,397	\$231,461

The following statistical record is submitted showing operating revenues, operating expenses and operating income of each unit under the administration of the Board, together with combined totals for all units:

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Halifax.....	1935	500,936	504,851	3,915*
	1936	510,179	433,040	77,139
	1937	581,740	429,472	152,268
	1938	599,856	420,765	179,091
	1939	744,470	420,841	323,629
	1940	1,225,787	547,285	678,502
	1941	1,593,478	803,052	790,426
	1942	1,832,318	889,120	943,198
	1943	1,848,330	1,000,664	847,666
	1944	1,801,217	1,116,104	685,113
	1945	1,653,732	1,033,935	619,797
	1946	1,243,649	834,713	408,936
	1947	1,161,261	800,168	361,093
	1948	1,270,564	862,529	408,035
Saint John.....	1935	322,954	272,860	50,094
	1936	367,448	256,380	111,068
	1937	435,952	240,302	195,650
	1938	445,726	242,544	203,182
	1939	466,004	237,882	228,122
	1940	661,359	258,901	402,458
	1941	776,066	264,971	511,095
	1942	1,133,509	319,114	814,395
	1943	1,492,579	440,134	1,052,445
	1944	1,423,537	512,482	911,055
	1945	1,458,507	494,698	963,809
	1946	933,497	459,627	473,870
	1947	945,198	488,756	456,442
	1948	805,364	472,365	332,999
Chicoutimi.....	1935	13,328	20,401	7,073*
	1936	21,307	18,639	2,668
	1937	21,750	14,361	7,389
	1938	21,254	13,374	7,880
	1939	20,414	14,078	6,336
	1940	34,139	15,247	18,892
	1941	30,339	16,100	14,239
	1942	30,067	16,887	13,180
	1943	32,016	25,880	6,136
	1944	31,923	18,402	13,521
	1945	30,723	20,719	10,004

* Deficit.

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Chicoutimi.....1946	32,666	17,178	15,488
1947	40,573	21,407	19,166
1948	50,310	20,512	29,798
Quebec.....1935	466,474	781,758	315,284*
1936	482,542	673,838	191,296*
1937	447,780	572,334	124,554*
1938	488,013	537,316	49,503*
1939	469,424	492,203	22,779*
1940	684,988	504,078	180,910
1941	710,867	583,546	127,321
1942	620,030	760,012	139,982*
1943	762,644	643,458	119,186
1944	913,705	669,903	243,802
1945	944,190	797,714	146,476
1946	672,264	678,427	6,163*
1947	627,732	691,609	63,877*
1948	684,128	833,283	149,155*
Three Rivers.....1935	93,076	47,837	45,239
1936	122,347	32,191	90,156
1937	172,309	18,023	154,286
1938	191,881	33,242	158,639
1939	165,682	18,147	147,535
1940	237,924	44,905	193,019
1941	243,911	38,930	204,981
1942	185,738	22,603	163,135
1943	199,023	18,011	181,012
1944	224,933	55,489	169,444
1945	294,648	32,165	262,483
1946	229,882	29,822	200,060
1947	235,765	50,242	185,523
1948	219,712	43,264	176,448
Montreal.....1935	4,032,770	2,394,967	1,637,803
1936	4,238,836	2,209,179	2,029,657
1937	4,377,350	2,136,800	2,240,550
1938	4,917,837	2,095,656	2,822,181
1939	4,469,097	1,987,928	2,481,169
1940	5,117,818	2,116,681	3,001,137
1941	5,174,415	2,214,748	2,959,667
1942	3,797,440	2,167,596	1,629,844
1943	3,786,305	2,039,507	1,746,798
1944	4,698,030	2,212,488	2,485,542
1945	5,484,859	2,928,685	2,556,174
1946	4,897,323	2,937,201	1,960,122
1947	4,990,919	3,083,883	1,907,036
1948	5,608,899	3,186,639	2,422,260
Jacques Cartier Bridge—(Montreal).....1935	347,698	145,439	202,259
1936	354,867	91,861	263,006
1937	423,785	84,550	339,235
1938	445,945	91,785	354,160
1939	463,124	91,266	371,858
1940	474,270	103,167	371,103
1941	589,768	105,870	483,898
1942	537,406	102,903	434,503
1943	520,120	97,020	423,100
1944	600,237	99,098	501,139
1945	604,629	105,422	499,207
1946	730,701	113,337	617,364
1947	835,097	118,779	716,318
1948	974,764	129,372	845,392
Prescott.....1936	173,671	92,715	80,956
1937	57,257	81,888	24,631*
1938	68,989	75,204	6,215*
1939	242,741	74,778	167,963
1940	284,271	93,384	190,887
1941	215,606	86,126	129,480
1942	233,718	82,399	151,319
1943	112,691	74,418	38,273
1944	257,750	110,575	147,175
1945	195,723	119,422	76,301
1946	111,911	101,812	10,099
1947	136,750	119,687	17,063
1948	120,037	160,253	40,216*

* Deficit.

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Port Colborne.....1936	190,723	114,495	76,228
1937	126,457	99,546	26,911
1938	249,622	133,319	116,303
1939	255,659	119,207	136,452
1940	212,648	91,660	120,988
1941	164,167	79,937	84,230
1942	171,280	73,100	98,180
1943	129,905	74,153	55,752
1944	239,703	97,106	142,597
1945	292,777	145,711	147,066
1946	223,631	140,494	83,137
1947	208,871	142,265	66,606
1948	252,185	189,414	62,771
Churchill.....1936	84,443	280,458	196,015*
1937	6,418	148,331	141,913*
1938	83,867	136,491	52,624*
1939	108,264	154,672	46,408*
1940	70,518	110,184	39,666*
1941	70,267	102,499	32,232*
1942	144,782	139,348	5,434
1943	95,860	132,372	36,512*
1944	71,028	128,635	57,607*
1945	66,785	152,666	85,881*
1946	72,713	173,225	100,512*
1947	218,061	284,725	66,664*
1948	278,712	321,337	42,625*
Vancouver.....1935	1,537,044	736,554	800,490
1936	1,792,980	718,997	1,073,983
1937	1,636,648	708,830	927,818
1938	1,453,905	566,397	887,508
1939	1,578,036	590,743	987,293
1940	1,480,904	568,853	912,051
1941	1,476,586	568,309	908,277
1942	1,568,977	588,502	980,475
1943	1,736,959	670,930	1,066,029
1944	2,138,666	916,767	1,221,899
1945	2,199,550	956,434	1,243,116
1946	2,184,238	918,664	1,265,574
1947	2,206,235	1,142,027	1,064,208
1948	2,311,011	1,293,633	1,017,378
Second Narrows Bridge—(Vancouver).....1935	113,168	71,083	42,085
1936	140,089	60,586	79,503
1937	164,899	62,611	102,288
1938	178,039	62,630	115,409
1939	110,225	57,074	53,151
1940	117,569	52,480	65,089
1941	143,955	55,201	88,754
1942	161,535	58,193	103,342
1943	144,645	61,024	83,621
1944	137,585	62,037	75,548
1945	169,701	63,677	106,024
1946	189,076	61,925	127,151
1947	224,447	67,226	157,221
1948	255,096	95,974	159,122
All Units.....1935	17,427,448	4,975,750	2,451,698
1936	8,479,432	4,982,379	3,497,053
1937	8,452,355	4,598,442	3,853,913
1938	9,144,935	4,408,724	4,736,211
1939	9,093,140	4,258,821	4,834,319
1940	10,602,199	4,506,827	6,095,372
1941	11,189,428	4,919,289	6,270,139
1942	10,416,805	5,219,781	5,197,024
1943	10,861,081	5,277,574	5,583,507
1944	12,538,318	5,999,089	6,539,229
1945	13,395,824	6,851,249	6,544,575
1946	11,521,551	6,466,606	5,054,945
1947	11,830,910	7,010,775	4,820,135
1948	12,830,784	7,608,578	5,222,206

* Deficit. † Does not include Prescott Elevator, Port Colborne Elevator and Churchill Harbour.

CAPITAL EXPENDITURES

Three major construction jobs were contracted for during 1948: rebuilding of the McLeod-Pettingill wharf and transit shed at Saint John and construction of two new transit sheds, one at Halifax and the other at Montreal. The estimated cost of these three works is \$4,365,000. Actual expenditures incurred on the above-mentioned and other capital and replacement projects in 1948 amounted to \$2,217,317, of which \$1,990,701 was charged to capital and \$226,616 to replacement reserve. The distribution of these expenditures was as follows:

Capital—

Halifax.....	\$ 106,948
Saint John.....	1,307,944
Chicoutimi.....	415
Quebec.....	8,277
Three Rivers.....	525
Montreal.....	528,656
Port Colborne.....	3,754
Churchill.....	23,999
Vancouver.....	10,183
	<hr/>
	1,990,701

Replacement of Physical Assets—

Saint John.....	\$ 120,000
Quebec.....	23,050
Montreal.....	26,567
Vancouver.....	56,999
	<hr/>
	226,616
	<hr/>
	\$ 2,217,317

Of the expenditures charged to capital, \$1,838,024 was financed by advances from the Dominion Treasury with interest at $2\frac{3}{4}$ per cent per annum, and the balance of \$152,677 was the amount of retained holdbacks on unfinished capital projects.

The book value of fixed assets as at December 31, 1948, was \$226,647,867.

Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

The following statement sets out the various amounts received and to be received from the Dominion Treasury in respect of the Board's operations in 1948, and also the amounts paid to the treasury from Board funds:

*Amounts Required from Dominion Treasury:**Capital and Debt Retirement—*

Capital expenditures, 1948.....	\$ 1,990,701
Retirement of debentures—Saint John.....	282,900

Deficits—

Harbour of Québec.....	\$ 156,401
Jacques Cartier Bridge.....	148,000
Prescott Elevator.....	38,709
Harbour of Churchill.....	42,632
	<hr/>
	385,742
	<hr/>
	\$ 2,659,343

Amounts Paid to Dominion Treasury:

Interest on advances.....	\$ 2,525,015
Surplus earnings:	
Prescott Elevator (1947).....	16,788
Port Colborne Elevator (1947).....	70,351
	<hr/>
	87,139
Repayment of advances.....	444,923
	<hr/>
	\$ 3,057,077

Not included in the above statement are working capital advances of \$110,000 for Quebec and \$40,000 for Prescott, obtained from the Dominion Treasury in 1948 and repaid early in 1949.

RESERVE FUNDS

As at December 31, 1948, reserve funds for replacement of physical assets (as from January 1, 1936) and for insurance and workmen's compensation amounted to \$25,803,573, the accretion in the year to these funds being \$1,985,865.

These reserves consist of cash on deposit with the Receiver General, \$674,273, and investments in authorized securities, book value \$25,129,300 (market value \$25,427,131).

The amount of the Board's pension fund at the close of the year was \$2,690,229, on deposit with the Receiver General. In addition, miscellaneous funds, including provision for special maintenance, were held in the amount of \$763,670, represented by cash on deposit with the Receiver General, \$52,715, and authorized investments, book value \$710,955 (market value \$724,223).

As provided by Section 31 of the National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as Head Office, supplemented by shipping and traffic statistics and information respecting work carried on during the year, are appended to this report.

The Auditor General of Canada has carried on a continuous audit of the accounts.

Mr. F. W. Riddell, executive secretary, was superannuated effective January 1, 1949. He had served in that capacity from the inception of the Board. His wide experience in private business, particularly the grain trade, together with his competency and devotion to the work of the Board, made him a most valuable official. His decision to retire was therefore received with great regret.

Respectfully submitted,

R. K. SMITH,
Chairman.

C. P. BUCKLEY,
Secretary.

J. E. ST. LAURENT,
Vice-Chairman.

B. J. ROBERTS.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—		
Harbour General—		
Harbour Dues.....	\$ 220,058 16	
Cargo Rates.....	693,955 57	
Miscellaneous.....	686,565 22	
	<u>\$ 1,600,578 95</u>	
Wharves and Piers—		
Top Wharfage.....	3,175,953 63	
Dockage.....	840,913 64	
Miscellaneous.....	406,939 54	
	<u>4,423,806 81</u>	
Permanent Sheds—		
Shed Rentals.....	465,931 53	
Storage.....	208,158 49	
Miscellaneous.....	124,203 16	
	<u>798,293 18</u>	
Shed Hoists.....	33,658 00	
Railway System.....	1,047,906 72	
Grain Elevator System—		
Elevation.....	1,278,451 73	
Storage.....	392,783 86	
Rentals.....	230,301 24	
Miscellaneous.....	218,957 26	
	<u>2,120,494 09</u>	
Cold Storage System—		
Storage.....	732,325 71	
Miscellaneous.....	222,974 28	
	<u>955,299 99</u>	
Miscellaneous—Outsiders.....	620,885 77	
Bridge Tolls and Sundry Receipts.....	1,229,860 27	
	<u>\$12,830,783 78</u>	
OPERATING EXPENSES—		
Administration.....	1,087,894 87	
Operation and Maintenance—		
Harbour Dredging.....	236,753 59	
Harbour General.....	970,767 92	
Vehicular Bridges.....	6,797 93	
Roads, Fences and Boundaries.....	85,138 45	
Sewers and Drains.....	7,340 25	
Wharves and Piers.....	450,146 14	
Permanent Sheds.....	584,782 42	
Shed Hoists.....	30,360 67	
Railway System.....	1,141,035 37	
Grain Elevator System.....	1,648,442 75	
Cold Storage System.....	664,094 64	
Miscellaneous Outsiders.....	500,540 45	
Bridges.....	194,482 15	
	<u>6,520,682 73</u>	
	<u>7,608,577 60</u>	
Operating Income.....	5,222,206 18	
INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....		722,512 04
MISCELLANEOUS INCOME CREDITS.....		43,542 47
	<u>766,054 51</u>	
Total Income.....	5,988,260 69	
MISCELLANEOUS DEDUCTIONS FROM INCOME—		
Income received from Reserve Funds transferred to Reserves.....	721,376 80	
Reserve for Bad Debts.....	888 96	
Miscellaneous Income Charges.....	72,593 19	
Trustees' Fees, Commissions, Bond Discount, etc.....	7,130 70	
	<u>801,989 65</u>	
Income Available for Interest due Public.....	5,186,271 04	
INTEREST ON DEBT TO THE PUBLIC.....		1,001,232 35
	<u>4,185,038 69</u>	
OTHER INCOME REQUIREMENTS—		
Reserve for Replacements.....	1,756,315 00	
Reserve for Depreciation.....	166,154 63	
Interest due Dominion Government.....	4,494,846 19	
	<u>6,417,315 82</u>	
	<u>2,232,277 13</u>	
Deduct:		
Special Contributions to Deficit (Bridge-Montreal).....	189,923 78	
Net Income Deficit.....	<u>\$ 2,042,553 85</u>	

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,249,552 51
Real Estate.....	12,781,674 15
Vehicular Bridges.....	300,580 77
Roads, Fences and Boundaries.....	1,762,034 60
Sewers and Drains.....	682,279 58
Miscellaneous Structures.....	752,634 72
Wharves and Piers.....	89,554,600 27
Permanent Sheds.....	20,178,493 07
Shed Hoists and Electric Cranes.....	248,972 88
Railway System.....	7,095,666 66
Grain Elevator System.....	41,862,223 34
Cold Storage System.....	5,752,232 87
Office Furniture and Appliances.....	158,904 22
Harbour Buildings.....	769,431 96
Central Heating Plants.....	152,443 36
Harbour Shops.....	325,717 55
Electric Power System.....	1,126,169 76
Water Supply System.....	748,803 44
Floating Equipment.....	2,020,777 78
Shore Equipment.....	910,528 57
Miscellaneous Small Plant.....	569,384 38
Engineering—General Surveys.....	606,402 98
Works under Construction.....	1,841,706 39
Sundry Expenditure—Undistributed.....	5,395,832 05
Bridge Construction and Right-of-Way.....	18,800,818 81

\$226,647,866 67

CURRENT—

Cash.....	2,151,249 37
Accounts Receivable.....	2,673,218 77
Advances due on Capital Account.....	43,251 40
Advances due on Deficit Account.....	195,110 15
Stores on Hand.....	666,149 12
Accrued Revenue.....	175,159 85
Other Assets.....	22,290 64

5,926,429 30

INVESTMENTS.....	44,749 12
SECURITY DEPOSITS.....	504,483 54
REPLACEMENT FUND.....	23,914,689 72
FIRE AND GENERAL INSURANCE FUND.....	1,437,706 10
GENERAL WORKMEN'S COMPENSATION FUND.....	451,176 80
PENSION FUND.....	2,690,229 46
MISCELLANEOUS FUNDS.....	763,670 22
BOND DISCOUNT SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....	184,295 70
PREPAID CHARGES.....	22,254 06
DEFERRED DEBITS.....	45,853 30

\$262,633,403 99

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1948

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....		\$19,756,282 35
DOMINION GOVERNMENT ACCOUNT—		
Loans and Advances (Interest Bearing).....	\$159,558,697 99	
Expenditure under Appropriations.....	50,914,053 78	
Government Loans Applied for—Contra.....	43,251 40	
		<u>\$210,516,003 17</u>
ACCOUNTS PAYABLE—CONSTRUCTION.....		147,455 69
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		152,676 89
CURRENT—		
Working Capital Advances.....	150,000 00	
Accounts Payable.....	583,293 52	
Salaries and Wages Payable.....	92,053 54	
Matured Interest Unpaid—		
Due Public.....	22,028 39	
Due Dominion Government.....	28,509,824 88	
Contractors' Holdbacks—Maintenance.....	4,968 09	
Accrued Interest due Public.....	172,844 83	
Unclaimed Wages.....	400 51	
Matured Debentures due Public.....	4,500 00	
Other Current Liabilities.....	4,648 97	
		<u>29,544,562 73</u>
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		504,483 54
RESERVES—		
Replacement.....	26,163,369 47	
Fire and General Insurance.....	1,437,721 10	
General Workmen's Compensation.....	451,176 80	
Pensions.....	2,690,229 46	
Miscellaneous.....	3,484,702 78	
		<u>34,227,199 61</u>
DEFERRED CREDITS.....		223,588 23
		<u>295,072,252 21</u>
SURPLUS AND DEFICIT ACCOUNT—		
Deficit as at December 31, 1947.....	30,449,122 19	
Net Income Deficit for 1948.....	2,042,353 35	
		<u>32,491,475 54</u>
DEDUCT—		
Adjustments in 1948.....	52,627 32	
		<u>32,438,848 22</u>
		<u>\$262,633,403 99</u>

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates eight main piers and wharves having about 17,000 linear feet of berthing and being equipped with 13 transit sheds with an aggregate floor area of about 1,100,000 square feet. In addition, the Board operates a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,655,350 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	2,579	4,179,092
1947.....	2,319	3,406,482
1946.....	2,409	3,803,472
1945.....	3,160	7,084,222
1944.....	3,700	8,664,488
<i>Departures—</i>		
1948.....	2,577	4,191,991
1947.....	2,319	3,428,103
1946.....	2,414	3,811,116
1945.....	3,219	7,306,431
1944.....	3,630	8,434,027

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparison for 1947

	1948		1947	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1,195	4,015,778	1,097	3,264,208
Coastal or inland commercial (including fishery).....	1,344	132,650	1,178	123,647
Other.....	40	30,664	44	18,627
Total.....	2,579	4,179,092	2,319	3,406,482
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1,189	4,028,192	1,102	3,285,670
Coastal or inland commercial (including fishery).....	1,351	133,921	1,172	123,570
Other.....	37	29,878	45	18,863
Total.....	2,577	4,191,991	2,319	3,428,103

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1948, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	1,888,671	1,083,417	2,972,088
1947.....	1,599,594	1,389,391	2,988,985
1946.....	1,439,930	1,388,881	2,828,811
1945.....	2,476,645	2,683,160	5,159,805
1944.....	2,280,462	3,472,020	5,752,482
<i>Domestic—</i>			
1948.....	316,892	340,226	657,118
1947.....	245,887	342,587	588,474
1946.....	298,512	258,389	556,901
1945.....	324,232	299,007	623,239
1944.....	307,291	198,517	505,808
<i>Total—</i>			
1948.....	2,205,563	1,423,643	3,629,206
1947.....	1,845,481	1,731,978	3,577,459
1946.....	1,738,442	1,647,270	3,385,712
1945.....	2,800,877	2,982,167	5,783,044
1944.....	2,587,753	3,670,537	6,258,290

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1948, with comparison for 1947.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Petroleum Oil, crude.....	1,162,458	.....	1,162,458	995,834
Petroleum Oil, fuel.....	107,268	378,914	486,182	416,480
Gasoline.....	253,409	140,014	393,423	265,304
Grain.....	1,410	239,250	240,660	233,040
Coal, bituminous.....	222,096	.....	222,096	249,449
Kerosene.....	103,133	7,563	110,696	139,956
Flour, wheat.....	271	99,588	99,859	102,649
Lumber (Planks, Boards and Flooring) and Square Timber.....	107	57,089	57,196	177,650
Fish (including Shell-fish) fresh or frozen.....	50,864	397	51,261	37,816
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	.....	49,326	49,326	66,014
Fish (including Shell-fish) dried, pickled, salted or smoked.....	11,655	33,146	44,801	40,553
Cement, common or portland.....	39,062	1,831	40,893	18,558
Rubber, crude (including Latex).....	38,178	943	39,121	51,258
Sugar, raw.....	34,178	.....	34,178	26,716
Coal, anthracite.....	32,813	270	33,083	.....
Wood-pulp.....	.....	28,654	28,654	52,172
Motor Vehicles and Parts.....	13,820	12,427	26,247	62,907
Meats, canned, cured, prepared or preserved.....	352	23,171	23,523	30,223
Aircraft and Parts.....	2,393	20,478	22,871	1,309
Paper, newsprint.....	.....	20,472	20,472	45,132
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	108	19,744	19,852	26,487

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Grain Products (Mill Products except Wheat Flour)...	1	19,501	19,502	23,830
Iron or Steel Rails and Fastenings.....		18,802	18,802	8,491
Potatoes.....	196	18,086	18,282	38,018
Fertilizers and Fertilizer Materials.....	9,819	7,534	17,353	26,987
Eggs, in shell.....	1	14,663	14,664	2,882
All Goods not otherwise specified.....	121,971	211,780	333,751	437,744
Total.....	2,205,563	1,423,643	3,629,206	3,577,459

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1948, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1948.....	73,224	14,206	87,430
1947.....	34,637	14,393	49,030
1946.....	73,252	10,469	83,721
1945.....	20,782	8,571	29,353
1944.....	9,767	3,058	12,825
<i>Total—</i>			
1948.....	73,224	14,206	87,430
1947.....	34,637	14,393	49,030
1946.....	73,252	10,469	83,721
1945.....	20,787	8,571	29,353
1944.....	9,767	3,058	12,825

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1948, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1948.....		7,429,622	7,429,622
1947.....	15,970	7,010,768	7,026,738
1946.....	301,219	6,573,017	6,874,236
1945.....	110,484	14,981,004	15,091,488
1944.....	218,514	25,463,731	25,682,245
<i>Via rail—</i>			
1948.....	8,614,307	3,735	8,618,040
1947.....	7,313,687		7,313,687
1946.....	6,066,933	134,162	6,201,095
1945.....	14,667,698	1,000	14,668,698
1944.....	25,342,704	66,396	25,409,100
<i>Via other—</i>			
1948.....		42,395	42,395
1947.....		172,952	172,952
1946.....		142,077	142,077
1945.....		69,634	69,634
1944.....		96,964	96,964
<i>Total—</i>			
1948.....	8,614,307	7,475,750	16,090,057
1947.....	7,329,657	7,183,720	14,513,377
1946.....	6,368,152	6,849,256	13,217,408
1945.....	14,778,182	15,051,638	29,829,820
1944.....	25,561,218	25,627,091	51,188,309

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$213,018. The main items were repairs to concrete piles at pier 2, repairs to fenders at piers 2 and "A", replacement and repairs to piling at the lighterage wharf, painting shed 20 and part of grain conveyor system, repairs to concrete aprons at Ocean Terminals, repairs to elevators and ice crushing equipment in the cold storage plant, removal of travelling dock spout from the roof of shed 22 and renewal of decking of Dartmouth pier.

CAPITAL WORKS

Expenditure on capital account during the year amounted to \$106,948. The principal items were:

Construction of Shed 26 and Grain Gallery.—A contract was awarded in April to Fundy Construction Company Ltd. for the construction of a single storey transit shed, 660 feet by 101 feet, of steel frame design, at berth 26, together with a two-belt grain conveyor gallery 608 feet in length. The work was approximately 10 percent completed during the year.

Minor Items.—These included the extension of stevedores' rest room facilities at shed 28, purchase of a tractor, installation of heating facilities in the lower floor of shed 21, installation of storm windows on the immigration quarters in shed 21, and preliminary work in connection with the proposed reconstruction of pier 3.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,270,564, as compared with \$1,161,261 in 1947, the increase being \$109,303. Operating and maintenance expenses were \$862,529, as against \$800,168 in the previous year, the increase being \$62,361.

After charging interest due the Dominion Government and reserve for replacements, the year's operations resulted in a net income deficit of \$139,239, as compared with a deficit of \$191,502 in 1947.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 30,297 22	
Miscellaneous.....	8,378 52	
	<u> </u>	\$ 38,675 74

Wharves and Piers

Top Wharfage.....	345,295 44	
Dockage.....	150,387 52	
Miscellaneous.....	31,949 56	
	<u> </u>	527,632 52

Permanent Sheds

Shed Rentals.....	49,074 33	
Storage.....	46,335 68	
Miscellaneous.....	54,862 38	
	<u> </u>	150,272 39

Grain Elevator System

Elevation.....	87,316 66	
Storage.....	37,231 86	
Miscellaneous.....	2,871 05	
	<u> </u>	127,419 57

Cold Storage System

Storage.....	262,034 67	
Miscellaneous.....	121,249 56	
	<u> </u>	383,284 23

Miscellaneous—Outsiders.....	43,279 41	
	<u> </u>	\$ 1,270,563 86

OPERATING EXPENSES

Administration.....	98,333 22
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Operation and Maintenance

Harbour General.....	58,059 39	
Roads, Fences and Boundaries.....	2,930 28	
Sewers and Drains.....	378 29	
Wharves and Piers.....	65,189 59	
Permanent Sheds.....	214,565 09	
Grain Elevator System.....	132,257 63	
Cold Storage System.....	251,516 53	
Miscellaneous—Outsiders.....	39,299 22	
	<u> </u>	764,196 02
		<u> </u>
		862,529 24

Operating Income.....	408,034 62
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INCOME RECEIVED FROM RESERVE FUNDS.....	83,544 58
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MISCELLANEOUS INCOME CREDITS.....	2,325 91	
	<u> </u>	85,870 49

Total Income.....	493,905 11
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	83,544 58	
Miscellaneous Income Charges.....	5,889 18	
	<u> </u>	89,433 76
		<u> </u>
		404,471 35

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	343,710 81	
	<u> </u>	543,710 81

Net Income Deficit.....	\$ 139,239 46
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Harbour of Halifax

BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS

FIXED—	
Harbour Dredging.....	\$ 160,815 06
Real Estate.....	532,701 91
Roads, Fences and Boundaries.....	238,737 01
Sewers and Drains.....	60,611 27
Miscellaneous Structures.....	28,387 08
Wharves and Piers.....	16,934,207 12
Permanent Sheds.....	8,158,602 58
Grain Elevator System.....	2,486,031 10
Cold Storage System.....	1,920,145 63
Office Furniture and Appliances.....	32,880 54
Central Heating Plants.....	69,381 05
Electric Power System.....	8,409 40
Water Supply System.....	100,902 04
Floating Equipment.....	58,084 85
Shore Equipment.....	62,003 35
Miscellaneous Small Plant.....	62,720 86
Engineering—General Surveys.....	475,501 67
Works under Construction.....	109,608 89
	<u>\$28,500,391 41</u>

CURRENT—

Cash—Receiver General of Canada.	\$ 337,389 15
Cash—On Hand.....	345 08
Accounts Receivable.....	\$ 132,999 79
Less—Reserve for Bad Debts.....	470 05
Advances due on Capital Account.....	132,529 74
Stores on Hand.....	45,785 11
Accrued Revenue.....	17,466 74
	<u>536,778 66</u>

SECURITY DEPOSITS.....	68,972 92
REPLACEMENT FUND.....	2,938,947 07
FIRE AND GENERAL INSURANCE FUND.....	136,376 13
MISCELLANEOUS FUNDS.....	5,197 50
PREPAID CHARGES.....	151 72
DEFERRED DEBITS.....	2,911 24
	<u>\$32,189,726 65</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$12,589,242 93
Expenditure under Appropriations.....	15,966,271 47
Government Loans Applied for—Contra.....	3,262 84
	<u>\$28,558,777 24</u>
Accounts Payable—Construction.....	4,876 75
Contractors' Holdbacks—Construction.....	6,843 64
CURRENT—	
Accounts Payable.....	67,835 13
Salaries and Wages Payable.....	14,838 11
Matured Interest Unpaid—	
Due Public.....	\$ 697 50
Due Dominion Government.....	970,873 72
	<u>971,571 22</u>
Unclaimed Wages.....	103 45
Matured Debentures due Public.....	4,500 00
	<u>1,058,847 91</u>
CONTRACTORS' SECURITY DEPOSITS.....	68,972 92
RESERVES—	
Replacement.....	2,939,111 45
Fire and General Insurance.....	136,376 13
	<u>3,075,487 58</u>
DEFERRED CREDITS.....	14,432 83
	<u>32,788,238 87</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1947.....	458,107 09
Net Income Deficit for 1948.....	139,239 46
Charges in 1948.....	1,165 67
	<u>598,512 22</u>
	<u>\$32,189,726 65</u>

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 10 main wharves and piers having some 13,600 linear feet of berthing with available drafts along-side varying from 25 to 35 feet at extreme low water, and 18 transit sheds, including two frost-proof sheds, with an aggregate floor space of about 812,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to nine of the berths by over two miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. Two locomotive cranes and 15-ton and 65-ton floating cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	1,655	2,366,364
1947.....	1,593	2,341,455
1946.....	1,551	2,129,154
1945.....	1,496	2,320,772
1944.....	1,478	2,185,088
<i>Departures—</i>		
1948.....	1,639	2,372,140
1947.....	1,602	2,393,916
1946.....	1,533	2,095,997
1945.....	1,501	2,327,090
1944.....	1,467	2,162,055

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparison for 1947.

	1948		1947	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	546	1,679,887	540	1,666,149
Coastal or inland commercial (including fishery).....	1,062	678,378	1,008	669,463
Other.....	47	8,099	45	5,843
Total.....	1,655	2,366,364	1,593	2,341,455
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	546	1,690,476	556	1,722,343
Coastal or inland commercial (including fishery).....	1,048	674,305	1,001	665,285
Other.....	45	7,359	45	6,288
Total.....	1,639	2,372,140	1,602	2,393,916

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1948, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	590,021	1,622,886	2,212,907
1947.....	516,200	2,014,997	2,531,197
1946.....	547,804	1,777,285	2,325,089
1945.....	606,586	2,721,266	3,327,852
1944.....	510,576	2,658,481	3,169,057
<i>Domestic—</i>			
1948.....	453,046	81,020	534,066
1947.....	392,876	89,633	482,509
1946.....	425,973	91,626	517,599
1945.....	442,756	79,743	522,499
1944.....	396,455	79,867	476,322
<i>Total—</i>			
1948.....	1,043,067	1,703,906	2,746,973
1947.....	909,076	2,104,630	3,013,706
1946.....	973,777	1,868,911	2,842,688
1945.....	1,049,342	2,801,009	3,850,351
1944.....	907,031	2,738,348	3,645,379

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1948, with comparison for 1947.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....		333,275	333,275	371,846
Flour, wheat.....	18	307,711	307,729	400,835
Sugar, raw.....	212,145	18	212,163	157,857
Coal, bituminous.....	167,704	608	168,312	163,095
Gasoline.....	116,837	11,291	128,128	133,625
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	753	124,592	125,345	136,043
Petroleum Oil, fuel.....	95,460	5,860	101,320	88,090
Lumber (Planks, Boards and Flooring) and Square Timber.....	4,143	77,991	82,134	227,843
Grain Products (Mill Products except Wheat Flour)..<	30	65,896	65,926	23,643
Fertilizers and Fertilizer Materials.....	59,713	3,077	62,790	76,257
Iron or Steel, scrap.....	59,863	1	59,864	13,831
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	92	58,675	58,767	17,719
Paper, newsprint.....	2,022	51,339	53,361	93,436
Meats, canned, cured, prepared or preserved.....	8	50,142	50,150	53,955
Motor Vehicles and Parts.....	16,095	32,570	48,665	52,714
Potatoes.....		47,904	47,904	113,260
Wood-pulp.....	201	44,009	44,210	33,797
Eggs, in shell.....		41,907	41,907	57,838
Petroleum Oil, crude.....	35,119	1,104	36,223	21,937
Ferro-alloys.....		25,674	25,674	18,818
Machinery and Parts (except agricultural).....	7,977	15,340	23,317	18,385

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....		21,831	21,831	18,660
Coal, anthracite.....	19,972	243	20,215	160
Bananas.....	19,689		19,689	8,528
Pulpboard (except Wallboard).....		19,663	19,663	15,536
Meats, chilled, fresh or frozen.....		18,224	18,224	19,485
Asbestos and Asbestos Manufactures.....	560	17,454	18,014	13,612
Zinc Spelter.....		15,674	15,674	10,064
Wood Laths, Pickets, Plywoods, Shingles and Veneers	44	15,407	15,451	9,065
Glass and Glass Manufactures.....	14,125	398	14,523	12,860
Paper, not otherwise specified.....	1,054	12,238	13,292	2,530
Fish (including Shell-fish), canned or preserved.....	5,334	7,093	12,427	13,620
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....	256	12,013	12,269	18,432
Cordage, Rope and Twine (except Wire Rope).....	11,409	58	11,467	28
Pulpwood.....		10,914	10,914	
Fish (including Shell-fish), dried, pickled, salted or smoked.....	3,183	7,687	10,870	7,448
Beverages, alcoholic.....	7,536	2,988	10,524	15,684
Lead and Lead Manufactures.....	13	10,413	10,426	15,342
Electrical Goods, not otherwise specified.....	685	9,706	10,391	3,674
Dry Goods, not otherwise specified.....	8,536	1,549	10,085	15,592
Wool, Unmanufactured, and Wool Yarns.....	9,452	632	10,084	7,682
Food-stuffs, canned or preserved, not otherwise specified	4,286		4,286	3,716
Wooden Manufactures, not otherwise specified.....	269	4,010	4,279	10,439
Iron or Steel Tubes, Pipe and Fittings.....	3,331	891	4,222	718
All Goods not otherwise specified.....	163,039	220,737	383,776	530,908
TOTAL.....	1,043,067	1,703,906	2,746,973	3,013,706

(Exclusive of ballast (non revenue) bunkers, ship's stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1948, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1948.....	984	1,788	2,772
1947.....	712	860	1,572
1946.....	706	540	1,246
1945.....	298	301	599
1944.....	379	181	560
<i>Coastwise—</i>			
1948.....	53,273	51,142	104,415
1947.....	49,663	46,165	95,828
1946.....	57,537	54,905	112,442
1945.....	93,111	83,431	176,542
1944.....	73,640	82,814	156,454
<i>Total—</i>			
1948.....	54,257	52,930	107,187
1947.....	50,375	47,025	97,400
1946.....	58,243	55,445	113,688
1945.....	93,409	83,732	177,141
1944.....	74,019	82,995	157,014

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1948, with comparisons for pervious years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1948.....		12,333,841	12,333,841
1947.....		13,596,926	13,596,926
1946.....		15,924,932	15,924,932
1945.....		29,378,627	29,378,627
1944.....		25,593,427	25,593,427
<i>Vial rail—</i>			
1948.....	12,555,428	139,397	12,694,825
1947.....	13,417,203	162,479	13,579,682
1946.....	15,150,627	225,236	15,375,863
1945.....	29,608,084	251,808	29,859,892
1944.....	27,009,543	669,057	27,678,600
<i>Via other—</i>			
1948.....			
1947.....		109	109
1946.....		144	144
1945.....		233	233
1944.....			
<i>Total—</i>			
1948.....	12,555,428	12,473,238	25,028,666
1947.....	13,417,203	13,759,514	27,176,717
1946.....	15,150,627	16,150,312	31,300,939
1945.....	29,608,084	29,630,668	59,238,752
1944.....	27,009,543	26,262,484	53,272,027

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$207,860. The main items were dredging eleven berths to a minimum depth of 30 feet at extreme low tide, repairs to the concrete surface of the grain elevator, repairs to the substructure of berths 8, 9, 10 and 11, refacing sections of the concrete wharf face at berths 11, 12, 13 and 14, replacing deck on wharf apron at berth 13, reconstruction of Digby wharf ramp, repairs to roofs of sheds 7, 11 and 12, painting the interior of a number of sheds, painting metal siding and structural steel work of the grain elevator and shore galleries, and replacing loftier casings at the grain elevator.

CAPITAL WORKS

Capital expenditure, part of which was provided from replacement fund, amounted to \$1,427,944. The items covered thereby were:

Reconstruction of McLeod-Pettingill Wharf and Shed.—A contract was awarded in January to the Saint John Dry Dock Company, Limited, for the reconstruction, by means of reinforced concrete cribs, of McLeod-Pettingill wharf, 769 feet in length, and the construction of a single storey, steel frame shed, 748 feet by 150 feet, with grain conveyor gallery and gantry grain loader overhead. The work was approximately 50 per cent completed at the year end.

Minor Items.—These included the construction of stevedores' rest rooms at berth 4 and at the foot of Broad street.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$805,364, as compared with \$945,198 in 1947, the decrease being \$139,834. Operating and maintenance expenses showed a decrease of \$16,391, the comparable figures being \$472,365 for 1948 and \$488,756 for 1947.

After taking into account income debits and credits, paying interest amounting to \$41,216 on debt to the public, and charging reserve for replacements and interest due Dominion Government, there was a net income deficit of \$389,149 as against a deficit of \$283,388 in 1947.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—

Harbour General			
Harbour Dues	\$	16,951 34	
Miscellaneous		17,567 28	
		<hr/>	\$ 34,518 62
Wharves and Piers			
Top Wharfage		472,859 14	
Dockage		172,170 86	
Miscellaneous		45 00	
		<hr/>	645,075 00
Permanent Sheds			
Shed Rentals		13,882 01	
Storage		26,238 75	
Miscellaneous		307 22	
		<hr/>	40,427 98
Railway System			417 50
Grain Elevator System			
Receipts from joint operation			32,789 79
Miscellaneous—Outsiders			52,134 97
			<hr/>
			\$ 805,363 86

OPERATING EXPENSES—

Administration		64,675 74	
Operation and Maintenance			
Harbour Dredging		80,366 64	
Harbour General		66,253 30	
Vehicular Bridges		703 25	
Roads, Fences and Boundaries		3,013 47	
Sewers and Drains		572 67	
Wharves and Piers		64,281 77	
Permanent Sheds		93,840 82	
Grain Elevator System		42,544 85	
Miscellaneous—Outsiders		56,132 37	
		<hr/>	407,689 14
			<hr/>
			472,364 88

Operating Income		332,998 98
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INCOME RECEIVED FROM RESERVE FUNDS	90,781 96	
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MISCELLANEOUS INCOME CREDITS	6 70	
	<hr/>	90,788 66

Total Income		423,787 64
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MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves	90,781 96	
Miscellaneous Income Charges	4,419 49	
	<hr/>	95,201 45

Income Available for Interest due Public		328,586 19
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INTEREST ON DEBT TO THE PUBLIC		41,215 93
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	<hr/>	287,370 26
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OTHER INCOME REQUIREMENTS—

Reserve for Replacements	200,000 00	
Interest due Dominion Government	476,519 35	
	<hr/>	676,519 35

Net Income Deficit	\$	389,149 09
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Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS

FIXED—	
Harbour Dredging.....	\$ 955,090 54
Real Estate.....	1,766,457 64
Vehicular Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,969 66
Wharves and Piers.....	14,827,879 64
Permanent Sheds.....	2,488,933 93
Railway System.....	192,660 57
Grain Elevator System.....	3,986,394 03
Office Furniture and Appliances.....	9,308 50
Harbour Buildings.....	51,378 07
Central Heating Plants.....	57,182 39
Water Supply System.....	14,345 67
Floating Equipment.....	201,999 68
Shore Equipment.....	111,593 51
Miscellaneous Small Plant.....	13,257 94
Works under Construction.....	1,461,148 91
	<u>\$26,018,678 05</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 323,578 32
Cash—on Hand.....	233 48
	<u>323,811 80</u>
Accounts Receivable.....	\$ 37,346 81
Less—Reserve for Bad Debts.....	184 18
	<u>37,162 63</u>
Advances due on Capital Account.....	7,641 07
Stores on Hand.....	29,568 17
Accrued Revenue.....	57,363 01
	<u>455,546 68</u>

SECURITY DEPOSITS.....	277,479 17
	<u>3,059,953 42</u>
REPLACEMENT FUND.....	154,189 53

FIRE AND GENERAL INSURANCE FUND.....	495 54
	<u>\$29,966,342 39</u>

PREPAID CHARGES.....

	<u>\$29,966,342 39</u>
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LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	\$ 756,282 35
DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$18,672,789 66
Expenditure under Appropriations.....	6,649,054 90
Government Loans applied for—contra.....	7,641 07
	<u>25,329,485 63</u>
Accounts payable, construction.....	99,360 39
Contractors' Holdbacks, construction.....	132,540 84
CURRENT—	
Accounts Payable.....	18,079 55
Salaries, Wages Payable.....	4,843 75
Matured Interest Unpaid—	
Due Public.....	\$ 508 39
Due Dominion Government.....	4,124,524 00
	<u>4,125,032 39</u>
Accrued Interest due Public.....	14,511 49
	<u>4,162,467 18</u>
CONTRACTORS' SECURITY DEPOSITS.....	277,479 17
RESERVES—	
Replacement.....	3,060,117 80
Fire and General Insurance.....	154,189 53
	<u>3,214,307 33</u>
DEFERRED CREDITS.....	5,866 77
	<u>33,977,789 66</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1947.....	3,622,298 18
Net Income Deficit for 1948.....	389,149 09
	<u>4,011,447 27</u>
	<u>\$29,966,342 39</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 120 miles below Quebec. The facilities operated by the Board include 2,500 linear feet of wharf allowing ships of 26 feet draft, a concrete fire proof shed, 400 feet by 60 feet, a frame shed, 150 feet by 40 feet, and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	181	154,433
1947.....	142	122,571
1946.....	133	81,365
1945.....	97	66,271
1944.....	153	83,445
<i>Departures—</i>		
1948.....	181	154,433
1947.....	141	122,560
1946.....	132	81,366
1945.....	96	66,195
1944.....	152	83,433

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparison for 1947.

	1948		1947	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	36	59,708	23	35,895
Coastal or inland commercial (including fishery).....	110	92,651	109	85,970
Other.....	35	2,074	10	706
Total.....	181	154,433	142	122,571
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	36	59,708	23	35,895
Coastal or inland commercial (including fishery).....	110	92,651	108	85,965
Other.....	35	2,074	10	706
Total.....	181	154,433	141	122,566

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1948, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	35,837	.....	35,837
1947.....	50,240	.....	50,240
1946.....	43,552	.....	43,552
1945.....	38,107	.....	38,107
1944.....	54,605	.....	54,605
<i>Domestic—</i>			
1948.....	188,271	1,762	190,033
1947.....	131,806	2,386	134,192
1946.....	18,879	481	19,360
1945.....	14,005	1,993	15,998
1944.....	44,983	1,145	46,128
<i>Total—</i>			
1948.....	224,108	1,762	225,870
1947.....	182,046	2,386	184,432
1946.....	62,431	481	62,912
1945.....	52,112	1,993	54,105
1944.....	99,588	1,145	100,733

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1948, with comparison for 1947.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	173,341	144	173,485	135,417
Gasoline.....	20,295	.....	20,295	16,807
Coal, anthracite.....	11,214	.....	11,214	10,791
Petroleum Oil, fuel.....	7,628	2	7,630	12,889
Sulphur.....	5,099	.....	5,099	.....
Lumber (Planks, Boards and Flooring) and Square Timber.....	539	1,429	1,968	1,133
Molasses.....	1,012	30	1,042	1,314
Cement, common or portland.....	538	.....	538	1,923
Potatoes.....	283	2	285	98
All Goods not otherwise specified.....	4,159	155	4,314	4,060
TOTAL.....	224,108	1,762	225,870	184,432

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1948, with comparison for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1948.....			
1947.....			
1946.....			
1945.....			
1944.....			
<i>Coastwise—</i>			
1948.....	6,125	6,501	12,626
1947.....	5,775	5,779	11,554
1946.....	6,117	6,118	12,235
1945.....	5,098	5,102	10,200
1944.....	4,377	3,951	8,328
<i>Total—</i>			
1948.....	6,125	6,501	12,626
1947.....	5,775	5,779	11,554
1946.....	6,117	6,118	12,235
1945.....	5,098	5,102	10,200
1944.....	4,377	3,951	8,328

(Exclusive of armed forces and prisoners of war)

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$7,063, consisting of general maintenance of wharves, sheds, roads and railway tracks.

CAPITAL WORKS

Capital expenditure amounted to \$415, covering the purchase from War Assets Corporation of a water line with hydrants located on harbour property.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$50,310, as compared with \$40,573 in 1947. Expenses of operation and maintenance were \$20,512, the corresponding figure in 1947 being \$21,407.

After charging reserve for replacements and interest on debt to the Dominion Government, there was a net income deficit of \$105,514, as compared with a deficit of \$119,386 in 1947.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$	652 30	
Miscellaneous.....		240 00	
		<u> </u>	\$ 892 30

Wharves and Piers

Top wharfage.....		17,572 08	
Dockage.....		1,881 98	
Miscellaneous.....		23,539 69	
		<u> </u>	42,993 75

Permanent Sheds

Shed Rentals.....		1,914 69	
Storage.....		3,766 58	
		<u> </u>	5,681 27

Miscellaneous—Outsiders.....		742 52	50,309 84
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OPERATING EXPENSES—

Administration.....		8,373 63	
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Operation and Maintenance—

Harbour General.....		2,643 20	
Roads, Fences and Boundaries.....		895 30	
Wharves and Piers.....		3,543 26	
Permanent Sheds.....		1,420 22	
Railway System.....		3,260 07	
Miscellaneous—Outsiders.....		376 29	
		<u> </u>	12,138 34
			<u>20,511 97</u>

Operating Income.....			29,797 87
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INCOME RECEIVED FROM RESERVE FUNDS.....		3,387 99	
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Miscellaneous Income Credits.....		22 30	
		<u> </u>	3,410 29

Total Income.....			33,208 16
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MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....		3,387 99	
Miscellaneous Income Charges.....		526 87	
		<u> </u>	3,914 86
			<u>29,293 30</u>

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....		30,000 00	
Interest due Dominion Government.....		104,807 71	
		<u> </u>	134,807 71

Net Income <i>Deficit</i>	\$	<u>105,514 41</u>	
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Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 445,827 58	Loans and Advances (Interest bearing).....	\$ 3,811,603 58
Real Estate.....	35,625 67	Expenditure under Appropriations.....	459,398 32
Roads, Fences and Boundaries.....	115,905 96		<u>\$ 4,271,001 90</u>
Sewers and Drains.....	165,653 09		
Wharves and Piers.....	3,257,200 29		
Permanent Sheds.....	124,083 29		
Railway System.....	38,599 51	CURRENT—	
Office Furniture and Appliances.....	2,381 54	Accounts Payable.....	382 81
Electric Power System.....	3,915 37	Salaries and Wages Payable.....	3 75
Water Supply System.....	16,759 19	Matured Interest due Dominion Government..	1,582,321 82
Floating Equipment.....	8,294 50		<u>1,582,708 38</u>
Shore Equipment.....	97 58		
Miscellaneous Small Plant.....	103 02	RESERVES—	
Engineering—General Surveys.....	18,375 66	Replacement.....	381,844 63
	<u>\$ 4,232,732 25</u>	Fire and General Insurance.....	11,807 87
			<u>393,652 50</u>
CURRENT—			
Cash—Receiver General of Canada. \$	7,351 52		
Cash—On Hand.....	5,837 31	DEFERRED CREDITS.....	<u>2,074 96</u>
Accounts Receivable.....	13,188 83		6,249,437 74
Stores on Hand.....	2,328 33		
	<u>3,229 91</u>		
REPLACEMENT FUND.....	<u>18,747 07</u>		
	133,844 63		
FIRE AND GENERAL INSURANCE FUND.....	<u>11,807 87</u>	SURPLUS AND DEFICIT ACCOUNT—	
		Deficit as at December 31, 1947.....	1,746,185 71
PREPAID CHARGES.....	<u>605 80</u>	Net Income Deficit for 1948.....	105,514 41
			<u>1,851,700 12</u>
	<u>\$ 4,397,737 62</u>		<u>\$ 4,397,737 62</u>

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 23 miles of standard gauge terminal railway, connected with both Canadian railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 75 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	4,320	3,702,612
1947.....	4,191	2,902,654
1946.....	3,872	2,470,154
1945.....	3,840	2,816,194
1944.....	3,560	2,172,620
<i>Departures—</i>		
1948.....	4,311	3,695,640
1947.....	4,179	2,909,884
1946.....	3,884	2,472,624
1945.....	3,841	2,823,429
1944.....	3,561	2,171,501

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparison for 1947.

	1948		1947	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	353	1,495,231	198	829,500
Coastal or inland commercial (including fishery).....	3,724	2,184,437	3,435	1,998,630
Other.....	243	22,944	558	74,524
Total.....	4,320	3,702,612	4,191	2,902,654
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	356	1,502,710	201	838,143
Coastal or inland commercial (including fishery).....	3,708	2,169,505	3,432	1,998,188
Other.....	247	23,425	546	73,553
Total.....	4,311	3,695,640	4,179	2,909,884

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1948, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	44,644	169,067	213,711
1947.....	24,594	183,730	208,324
1946.....	35,550	237,330	272,880
1945.....	106,274	544,280	650,554
1944.....	95,926	237,433	333,359
<i>Domestic—</i>			
1948.....	1,579,244	57,415	1,636,659
1947.....	1,507,565	139,129	1,646,694
1946.....	1,123,334	144,545	1,267,879
1945.....	1,078,574	170,331	1,248,905
1944.....	943,919	147,648	1,091,567
<i>Total—</i>			
1948.....	1,623,888	226,482	1,850,370
1947.....	1,532,159	322,859	1,855,018
1946.....	1,158,884	381,875	1,540,759
1945.....	1,184,848	714,611	1,899,459
1944.....	1,039,845	385,081	1,424,926

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1948, with comparison for 1947.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	566,824	557	567,381	383,240
Pulpwood.....	484,542	482	485,024	679,305
Petroleum Oil, fuel.....	221,678	5,703	227,381	203,822
Gasoline.....	188,395	55	188,450	148,539
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	588	64,999	65,587	76,102
Cement, common or portland.....	56,594	999	57,593	50,504
Asbestos and Asbestos Manufactures.....		38,652	38,652	21,754
Paper, newsprint.....	5,721	16,625	22,346	3,110
Coal, anthracite.....	21,937		21,937	7,305
Lumber (Planks, Boards and Flooring) and Square Timber.....	8,112	12,647	20,759	76,017
Wood-pulp.....	5,214	14,772	19,986	5,283
Sulphur.....	19,726		19,726	12,298
Flour, wheat.....	231	15,234	15,465	17,888
Fertilizers and Fertilizer Materials.....	5,331	5,969	11,300	1,472
All Goods not otherwise specified.....	38,995	49,788	88,783	168,379
Total.....	1,623,888	226,482	1,850,370	1,855,018

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1948, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1948.....	18,660	377	19,037
1947.....	199	56	255
1946.....	20	19	39
1945.....	135	1,586	1,721
1944.....			
<i>Coastwise—</i>			
1948.....	51,299	38,193	89,492
1947.....	37,872	33,007	70,879
1946.....	45,136	33,231	78,367
1945.....	49,776	47,263	97,039
1944.....	39,823	35,745	75,568
<i>Total—</i>			
1948.....	69,959	38,570	108,529
1947.....	38,071	33,063	71,134
1946.....	45,156	33,250	78,406
1945.....	49,911	48,849	98,760
1944.....	39,823	35,745	75,568

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1948, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	Bu.)
<i>Via water—</i>			
1948.....	129,966		129,966
1947.....			
1946.....	939,578	2,235,237	3,174,815
1945.....	526,209	13,611,445	14,137,654
1944.....	671,802	2,996,584	3,668,386
<i>Via rail—</i>			
1948.....	661,668	100,939	762,607
1947.....	425,122	34,778	459,900
1946.....	1,629,813	715,697	2,345,510
1945.....	13,358,498	1,408,406	14,766,904
1944.....	5,818,547	536,586	6,355,133
<i>Via other—</i>			
1948.....	1,452	658,698	660,150
1947.....	23,451	349,547	372,998
1946.....	25,834	766,601	792,435
1945.....	27,570	587,319	614,889
1944.....	14,891	820,172	835,063
<i>Total—</i>			
1948.....	793,086	759,637	1,552,723
1947.....	448,573	384,325	832,898
1946.....	2,595,225	3,717,535	6,312,760
1945.....	13,912,277	15,607,170	29,519,447
1944.....	6,505,240	4,353,342	10,858,582

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1948, with comparison for 1947.

	1948	1947
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	8,010	9,492
Non-revenue cars.....	9,014	5,552
Total.....	17,024	15,044
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	9,817	6,572
Non-revenue cars.....	7,086	8,420
Total.....	16,903	14,992
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....		
Non-revenue cars.....		
Total.....		
<i>Switched locally—</i>		
Revenue cars.....	586	712
Non-revenue cars.....	586	712
Total.....	1,172	1,424
<i>Total—</i>		
Revenue cars.....	18,413	16,776
Non-revenue cars.....	16,686	14,684
Total.....	35,099	31,460

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$319,758. The main items were dredging the approach channel to Wolfe's Cove terminals to a minimum depth of 35 feet below low water, cleaning, painting and repairing the hull of the floating crane, renewing the hull and painting the launch "Voyageur", renewing horizontal and vertical fixed fenders at berths nos. 18 and 19 in the outer basin, repairs to Sillery wharf, painting of doors and part of steelwork at sheds "A", 27 and 28, rebuilding of coal hopper and water tank of tender of locomotive no. 1, renewal of cork insulation on part of the cold storage main warehouse and pointing brickwork where required, and general maintenance of all other facilities.

CAPITAL WORKS

Capital expenditure, part of which was provided from replacement fund, amounted to \$31,327. The items covered thereby consisted of completing the installation of a new switchboard at the powerhouse, fitting out and equipping new buildings to replace existing shops and stores buildings, completion of power transmission line extension at Wolfe's Cove terminals, purchase of an automobile and a 3-ton truck.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$684,128, as compared with \$627,733 in 1947, the increase being \$56,395. Operating and maintenance expenses were \$833,283, as compared with \$691,609 in 1947, the increase being \$141,674. Expenditures included a special item of \$78,400 for dredging at Wolfe's Cove Terminals.

On the year's operations there was a deficit, before capital charges, of \$156,401, for which a vote of Parliament will be requested.

Net income deficit, after all charges, was \$1,121,532, the corresponding figures for the previous year being \$1,051,503.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—

Harbour General			
Harbour Dues.....	\$	15,268 40	
Miscellaneous.....		52,641 18	
		<u>67,909 58</u>	
Wharves and Piers			
Top Wharfage.....		130,889 77	
Dockage.....		58,635 90	
Miscellaneous.....		57,694 00	
		<u>247,219 67</u>	
Permanent Sheds			
Shed Rentals.....		21,259 85	
Storage.....		30,163 68	
		<u>51,423 53</u>	
Railway System.....			92,035 14
Grain Elevator System			
Elevation.....		9,597 94	
Storage.....		12,256 09	
Miscellaneous.....		8,120 13	
		<u>29,974 16</u>	
Cold Storage System			
Storage.....		119,803 53	
Miscellaneous.....		12,604 08	
		<u>132,407 61</u>	
Miscellaneous—Outsiders.....		63,158 25	
		<u>\$ 684,127 94</u>	

OPERATING EXPENSES—

Administration.....		125,215 11	
Operation and Maintenance			
Harbour Dredging.....		78,438 75	
Harbour General.....		118,042 43	
Vehicular Bridges.....		6,094 68	
Roads, Fences and Boundaries.....		5,609 29	
Sewers and Drains.....		1,321 32	
Wharves and Piers.....		73,480 87	
Permanent Sheds.....		34,511 03	
Railway System.....		144,007 42	
Grain Elevator System.....		79,992 78	
Cold Storage System.....		114,134 88	
Miscellaneous—Outsiders.....		52,434 57	
		<u>708,068 02</u>	
			<u>833,283 13</u>
Operating Deficit.....			<u>149,155 19</u>
INCOME RECEIVED FROM RESERVE FUNDS.....		22,986 67	
MISCELLANEOUS INCOME CREDITS.....		3,452 69	
			<u>26,439 36</u>
Total Income.....			<u>122,715 83</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	22,986 67	
Reserve for Bad Debts.....	78 60	
Miscellaneous Income Charges.....	10,619 73	
	<u>33,685 00</u>	

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	765,131 39	
	<u>965,131 39</u>	

Net Income Deficit.....\$ 1,121,532 22

Harbour of Quebec BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS

FIXED—	
Harbour Dredging.....	\$ 3,940,865 55
Real Estate.....	289,282 99
Vehicular Bridges.....	172,292 20
Roads, Fences and Boundaries.....	129,167 35
Sewers and Drains.....	293,022 25
Miscellaneous Structures.....	134,603 77
Wharves and Piers.....	13,154,496 93
Permanent Sheds.....	3,275,963 63
Shed Hoists.....	12,000 00
Railway System.....	900,509 49
Grain Elevator System.....	3,735,338 72
Cold Storage System.....	718,975 75
Office Furniture and Appliances.....	12,801 79
Harbour Buildings.....	196,735 26
Central Heating Plants.....	11,300 46
Harbour Shops.....	17,282 71
Electric Power System.....	54,114 68
Water Supply System.....	29,914 61
Floating Equipment.....	104,220 98
Shore Equipment.....	66,602 21
Miscellaneous Small Plant.....	8,814 31
Sundry Expenditure (Undistributed).....	1,621,453 70
Works under Construction.....	58,330 41
	<u>\$28,938,159 75</u>

CURRENT—
Cash—Receiver General of Canada \$ 12,113 37
Cash—On Hand..... 246 56

Accounts Receivable.....	87,383 55
Less—Reserve for Bad Debts.....	2,647 06
Advances due on Capital Account.....	84,736 49
Advances due on Deficit Account.....	916 95
Stores on Hand.....	156,400 83
Accrued Revenue.....	46,603 64
Other Assets.....	847 87
	<u>769 51</u>
	<u>\$ 302,635 22</u>

SECURITY DEPOSITS.....	680 00
REPLACEMENT FUND.....	657,437 26
FIRE AND GENERAL INSURANCE FUND.....	128,887 20
PREPAID CHARGES.....	2,304 56
DEFERRED DEBITS.....	500 00
	<u>\$30,030,603 99</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$27,831,583 10
Expenditure under Appropriations.....	2,592,677 67
Government Loans Applied for—Contra.....	916 65
	<u>\$30,425,177 72</u>

ACCOUNTS PAYABLE—CONSTRUCTION.....	7,685 54
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CURRENT—	
Working Capital Advances.....	110,000 00
Accounts Payable.....	17,051 43
Salaries and Wages Payable.....	4,354 52
Matured Interest due Dominion Government.....	11,339,610 61
	<u>11,471,016 56</u>

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	680 00
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RESERVES—	
Replacement.....	2,658,881 47
Fire and General Insurance.....	128,887 20
	<u>2,787,768 67</u>

DEFERRED CREDITS.....	12,419 84
	<u>44,704,748 33</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1947.....	13,718,761 98
Net Income Deficit for 1948.....	1,121,532 22
	<u>14,840,294 20</u>

DEDUCT—	
Government Grant <i>re</i> 1948	
Deficit.....	\$ 156,400 83
Adjustment in 1948.....	9,749 03
	<u>166,149 86</u>
	<u>14,674,144 34</u>
	<u>\$30,030,603 99</u>

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include three main wharves having some 7,650 linear feet of berthing with a minimum water depth of 30 feet alongside and nine transit sheds with a total floor area of about 192,000 square feet.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	2,243	2,258,358
1947.....	2,217	1,713,516
1946.....	2,073	1,796,200
1945.....	1,973	2,243,566
1944.....	1,958	1,860,530
<i>Departures—</i>		
1948.....	2,243	2,258,358
1947.....	2,217	1,713,516
1946.....	2,073	1,796,200
1945.....	1,973	2,243,566
1944.....	1,958	1,860,530

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparison for 1947.

	1948		1947	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	156	534,286	117	438,671
Coastal or inland commercial (including fishery).....	2,021	1,706,731	2,060	1,257,206
Other.....	66	17,341	40	17,639
Total.....	2,243	2,258,358	2,217	1,713,516
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	156	534,286	117	438,671
Coastal or inland commercial (including fishery).....	2,021	1,706,731	2,060	1,257,206
Other.....	66	17,341	40	17,639
Total.....	2,243	2,258,358	2,217	1,713,516

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1948, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	350,995	349,585	700,580
1947.....	340,025	563,515	903,540
1946.....	294,898	466,358	761,256
1945.....	329,534	871,455	1,200,989
1944.....	365,262	376,707	741,969
<i>Domestic—</i>			
1948.....	1,858,889	8,541	1,867,430
1947.....	1,692,310	12,279	1,704,589
1946.....	1,132,324	8,944	1,141,268
1945.....	1,282,174	9,679	1,291,853
1944.....	947,277	50,538	997,815
<i>Total—</i>			
1948.....	2,209,884	358,126	2,568,010
1947.....	2,032,335	575,794	2,608,129
1946.....	1,427,222	475,302	1,902,524
1945.....	1,611,708	881,134	2,492,842
1944.....	1,312,539	427,245	1,739,784

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1948, with comparison for 1947.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Pulpwood.....	1,394,779		1,394,779	1,255,316
Coal, bituminous.....	511,916		511,916	350,195
Grain.....	192,246	246,812	439,058	705,351
Paper, newsprint.....	156	84,264	84,420	79,946
Sulphur.....	26,890		26,890	21,681
Gasoline.....	23,398	306	23,704	24,656
Petroleum Oil, fuel.....	13,625	1,985	15,610	14,725
Lumber (Planks, Boards and Flooring) and Square Timber.....	10,706	3,123	13,829	44,391
All Goods not otherwise specified.....	36,168	21,636	57,804	111,868
TOTAL.....	2,209,884	358,126	2,568,010	2,608,129

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1948, with comparisons for previous years.

—	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1948.....	6,408,216	8,238,337	14,646,553
1947.....	10,945,323	12,566,357	23,511,680
1946.....	3,057,387	6,793,063	9,850,450
1945.....	15,305,216	22,508,020	37,813,236
1944.....	4,017,263	6,924,003	10,941,266
<i>Via rail—</i>			
1948.....	1,825,912	3,000	1,828,912
1947.....	1,870,237		1,870,237
1946.....	1,835,311	24,000	1,859,311
1945.....	4,365,538	379,000	4,744,538
1944.....	6,684,245	769,724	7,453,969
<i>Via other—</i>			
1948.....		40,092	40,092
1947.....		160,765	160,765
1946.....		62,674	62,674
1945.....		51,133	51,133
1944.....		66,038	66,038
<i>Total—</i>			
1948.....	8,234,128	8,281,429	16,515,557
1947.....	12,815,560	12,727,122	25,542,682
1946.....	4,892,698	6,879,737	11,772,435
1945.....	19,670,754	22,938,153	42,608,907
1944.....	10,701,508	7,759,765	18,461,273

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$17,947. The principal items were the dredging of the basin, renewals and repairs to the harbour lighting system, filling in of the culvert on the approach to Ste. Angele de Laval wharf, completion of reconstruction of the face of Ste. Angele de Laval wharf, repairs to the face of Cap-de-la-Madeleine wharf and repairs to the roof of shed no. 21 at Cap-de-la-Madeleine.

CAPITAL WORKS

Expenditure on capital account during the year amounted to \$525 for the installation of a new electric outlet in section 14.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$219,712, as compared with \$235,765 in 1947, a decrease of \$16,053. Operating and maintenance expenses were \$43,265, as against \$50,242 in 1947, a decrease of \$6,977.

After charging interest and reserve for replacements, there was a net income deficit of \$3,367. In 1947, there was a surplus of \$3,323.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$ 8,244 85	
Miscellaneous.....	1,054 14	
	<u>\$</u>	9,298 99

Wharves and Piers

Top Wharfage.....	88,021 62	
Dockage.....	26,137 77	
Miscellaneous.....	39,226 12	
	<u></u>	153,385 51

Permanent Sheds

Shed Rentals.....	54,831 75	
Miscellaneous—Outsiders.....	2,196 20	
	<u></u>	219,712 45

OPERATING EXPENSES

Administration.....	19,266 64	
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Operation and Maintenance

Harbour Dredging.....	8,536 25	
Harbour General.....	7,817 45	
Roads, Fences and Boundaries.....	466 46	
Wharves and Piers.....	4,198 45	
Permanent Sheds.....	2,504 31	
Miscellaneous—Outsiders.....	475 00	
	<u></u>	23,997 92
		<u>43,264 56</u>

Operating Income.....	176,447 89
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INCOME RECEIVED FROM RESERVE FUNDS.....	32,289 19
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MISCELLANEOUS INCOME CREDITS.....	150 75
	<u>32,439 94</u>

Total Income.....	208,887 83
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserve.....	32,289 19	
Reserve for Bad Debts.....	200 00	
Miscellaneous Income Charges.....	186 42	
	<u></u>	32,675 61

Income Available for Interest due Public.....	176,212 22
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OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	70,000 00	
Interest due Dominion Government.....	109,579 33	
	<u></u>	179,579 33

Net Income Deficit.....	\$ 3,367 11
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Harbour of Three Rivers BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS

FIXED—	
Real Estate.....	\$ 1,204,777 00
Roads, Fences and Boundaries.....	60,384 26
Miscellaneous Structures.....	1,281 16
Wharves and Piers.....	5,780,047 59
Permanent Sheds.....	791,660 07
Railway System.....	26,611 43
Office Furniture and Appliances.....	1,393 80
Electric Power System.....	14,830 15
Water Supply System.....	10,894 44
Shore Equipment.....	1,201 41
Miscellaneous—Small Plant.....	183 27
	<u>\$ 7,893,264 58</u>

CURRENT—	
Cash—Receiver General of Canada.....	\$ 28,842 87
Cash—On Hand.....	807 56
Accounts Receivable.....	3,478 14
Less—Reserve for Bad Debts.....	<u>2,400 00</u>
Stores on Hand.....	1,078 14
	<u>1,404 59</u>
	32,133 16

REPLACEMENT FUND.	
FIRE AND GENERAL INSURANCE FUND.....	1,168,269 67
PREPAID CHARGES.....	35,725 22
DEFERRED DEBITS.....	38 79
	<u>2,223 00</u>
	32,133 16
	<u>\$ 9,131,654 42</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$ 3,985,193 39
Expenditure under Appropriations.....	590,857 27
	<u>\$ 4,576,050 66</u>

CURRENT—	
Accounts Payable.....	2,475 74
Matured Interest Unpaid.....	253,762 60
Due Dominion Government.....	333 19
Contractors' Holdbacks—maintenance.....	<u>256,571 53</u>

RESERVES—	
Replacement.....	1,168,351 87
Fire and General Insurance.....	35,725 22
	<u>1,204,077 09</u>

DEFERRED CREDITS.....	24,736 51
	<u>6,061,435 79</u>

SURPLUS AND DEFICIT ACCOUNT—	
Surplus as at December 31, 1947.....	3,073,585 74
Net Income Deficit for 1948.....	<u>3,367 11</u>
	3,070,218 63

	<u>\$ 9,131,654 42</u>
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HARBOUR OF MONTREAL

The Harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast. The ship channel, of which approximately 100 miles is dredged channel, provides a minimum depth of 32½ feet. The Harbour is served by both Canadian railways connected to the harbour front by 61 miles of terminal railway operated by the National Harbours Board. The Harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 105 berths, totalling about 10 miles of berthing accommodation; 26 transit sheds, with an aggregate floor area of over 2,063,000 square feet; also 4 grain elevators, with a total storage capacity of over 15,000,000 bushels, and 3½ miles of grain conveyor galleries; and a cold storage warehouse, with a capacity of 2,909,210 cubic feet. A 75-ton capacity floating crane and 10 locomotive cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	3,667	6,627,056
1947.....	3,433	5,948,537
1946.....	3,193	5,239,076
1945.....	3,295	4,688,742
1944.....	2,651	2,968,527
<i>Departures—</i>		
1948.....	3,661	6,635,831
1947.....	3,434	5,944,018
1946.....	3,208	5,260,474
1945.....	3,284	4,621,510
1944.....	2,678	3,051,404

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparison for 1947

	1948		1947	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1,016	3,880,085	898	3,512,366
Coastal or inland commercial (including fishery).....	2,539	2,730,493	2,408	2,415,886
Other.....	112	16,478	127	20,285
Total.....	3,667	6,627,056	3,433	5,948,537
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1,021	3,895,344	897	3,508,330
Coastal or inland commercial (including fishery).....	2,533	2,725,463	2,412	2,416,502
Other.....	107	15,024	125	19,186
Total.....	3,661	6,635,831	3,434	5,944,018

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1948, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	4,194,095	4,002,652	8,196,747
1947.....	3,681,595	4,660,820	8,342,415
1946.....	2,551,868	4,392,376	6,944,244
1945.....	1,812,369	4,904,744	6,717,113
1944.....	1,527,907	2,291,525	3,819,432
<i>Domestic—</i>			
1948.....	1,314,291	2,127,082	3,441,373
1947.....	641,871	1,823,587	2,465,458
1946.....	853,150	1,301,706	2,154,856
1945.....	1,427,446	864,958	2,292,404
1944.....	395,399	1,069,343	1,464,742
<i>Total—</i>			
1948.....	5,508,386	6,129,734	11,638,120
1947.....	4,323,466	6,484,407	10,807,873
1946.....	3,405,018	5,694,082	9,099,100
1945.....	3,239,815	5,769,702	9,009,517
1944.....	1,923,306	3,360,868	5,284,174

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1948, with comparison for 1947.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	548,041	1,728,488	2,276,529	2,149,607
Petroleum Oil, crude.....	1,248,895	464,226	1,713,121	826,858
Gasoline.....	500,568	841,533	1,342,101	991,855
Coal, bituminous.....	1,257,444	.....	1,257,444	1,128,777
Petroleum Oil, fuel.....	390,978	519,407	910,385	969,394
Flour, wheat.....	9	588,220	588,229	859,858
Iron Ore.....	128,797	126,418	255,215	202,058
Sugar, raw.....	248,245	10	248,255	217,298
Kerosene.....	136,786	12,310	149,096	392,559
Gypsum, crude.....	135,753	10,850	146,603	110,863
Motor Vehicles and Parts.....	16,747	98,725	115,472	135,002
Cement, common or portland.....	12,171	99,207	111,378	100,974
Coal, anthracite.....	102,926	6,610	109,536	52,858
Iron or Steel Rails and Fastenings.....	.....	82,259	82,259	34
Petroleum Oil, refined, not otherwise specified.....	7	78,117	78,124	79,825
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	1,462	67,309	68,771	88,202
Lumber (Planks, Boards and Flooring) and Square Timber.....	7,631	59,043	66,674	119,623
Manganese Ore.....	32,037	23,016	55,053	104,198
Iron or Steel, scrap.....	54,697	.....	54,697	70,164
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....	.....	52,999	52,999	56,432
Machinery and Parts (except agricultural).....	21,687	29,305	50,992	45,516
Meats, canned, cured, prepared or preserved.....	388	49,701	50,089	110,209
Wood-pulp.....	816	46,301	47,117	57,222
Sundries.....	6,644	39,571	46,215	40,765

CARGO TONNAGE—COMMODITIES—*Continued*

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Ferro-alloys.....		43,758	43,758	47,717
Molasses.....	42,137		42,137	60,338
Dry Goods not otherwise specified.....	35,660	5,923	41,583	26,887
Paper, newsprint.....	565	40,361	40,926	103,718
Iron or Steel Manufactures not otherwise specified....	16,274	24,477	40,751	33,583
Chrome Ore.....	21,961	18,375	40,336	27,380
Milk, condensed, evaporated or powdered.....	3	40,121	40,124	40,833
Glass and Glass Manufactures.....	36,521	3,025	39,546	34,224
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....	27	38,991	39,018	26,975
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate..	19,121	18,862	37,983	26,616
Pulpboard (except Wallboard).....		37,228	37,228	31,363
Zinc Spelter.....		36,664	36,664	32,800
Wood Lath, Pickets, Plywoods, Shingles and Veneers	688	35,505	36,193	36,605
Lead and Lead Manufactures.....	204	32,944	33,148	33,312
Vegetable Oils.....	16,508	16,229	32,737	16,010
Aircraft and Parts.....	2,520	29,172	31,692	11,557
Paper not otherwise specified.....	2,245	29,246	31,491	41,517
Jute and Jute Manufactures.....	26,557	3,354	29,911	31,958
Railway Equipment not otherwise specified.....	8	29,405	29,413	13,980
Beverages, alcoholic.....	22,284	6,755	29,039	42,803
Eggs, in shell.....		28,962	28,962	47,381
Phosphate Rock.....	28,191		28,191	84,745
Sulphur.....	27,342		27,342	34,136
Asbestos and Asbestos Manufactures.....	3,327	23,612	26,939	43,388
Nickel and Nickel Manufactures.....	14	25,025	25,039	26,320
Copper and Copper Manufactures not otherwise speci- fied.....	479	24,116	24,595	25,642
Fertilizers and Fertilizer Materials.....	6,306	16,765	23,071	43,271
Wool, unmanufactured, and Wool Yarns.....	22,103	828	22,931	18,960
Cheese.....	133	22,381	22,514	28,179
Fruits, fresh, not otherwise specified.....	21,905	269	22,174	6,061
Box, Crate and Cooperage Materials, wooden.....		21,525	21,525	8,527
Iron or Steel, in billets, blooms, ingots, pigs, sheet bars or slabs.....	2,051	19,342	21,393	11,694
Oil Cake and Oil-cake Meal.....		21,126	21,126	746
Clay.....	20,250	143	20,393	12,160
All Goods not otherwise specified.....	280,273	411,620	691,893	786,333
TOTAL.....	5,508,386	6,129,734	11,638,120	10,807,873

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1948, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1948.....	17,957	16,693	34,650
1947.....	9,562	9,181	18,743
1946.....	4,240	4,477	8,717
1945.....	2,287	1,613	3,900
1944.....	140	906	1,406
<i>Coastwise—</i>			
1948.....	77,458	75,184	152,642
1947.....	75,991	69,190	145,181
1946.....	73,995	70,053	144,048
1945.....	79,560	69,342	148,902
1944.....	67,657	57,857	125,514
<i>Total—</i>			
1948.....	95,415	91,877	187,292
1947.....	85,553	78,371	163,924
1946.....	78,235	74,530	152,765
1945.....	81,847	70,955	152,802
1944.....	67,797	58,763	126,560

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1948, with comparisons for previous years.

	Receipt	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1948.....	19,891,513	60,077,743	79,969,256
1947.....	11,612,547	61,969,120	73,581,667
1946.....	25,922,298	67,029,562	92,951,860
1945.....	40,206,939	102,873,071	143,080,010
1944.....	7,592,995	24,392,834	31,985,829
<i>Via rail—</i>			
1948.....	47,215,696	4,230,577	51,446,273
1947.....	55,687,127	2,548,393	58,235,520
1946.....	47,038,604	6,987,027	54,025,631
1945.....	72,238,084	11,661,727	83,899,811
1944.....	32,759,311	8,272,928	41,032,239
<i>Via other—</i>			
1948.....	46,758	3,149,890	3,196,648
1947.....	21,647	2,362,685	2,384,332
1946.....	6,434	4,599,301	4,605,735
1945.....	4,991	3,912,265	3,917,256
1944.....	19,883	3,482,882	3,502,765
<i>Total—</i>			
1948.....	67,153,967	67,458,210	134,612,177
1947.....	67,321,321	66,880,198	134,201,519
1946.....	72,967,336	78,615,890	151,583,226
1945.....	112,450,014	118,447,063	230,897,077
1944.....	40,372,189	36,148,644	76,520,833

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1948, with comparison for 1947.

	1948	1947
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	76,165	94,971
Non-revenue cars.....	10,562	9,901
Total.....	86,727	104,872½
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	28,655	26,428
Non-revenue cars.....	58,273	79,054
Total.....	86,928	105,482
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	190	140
Non-revenue cars.....	9	88
Total.....	199	228
<i>Switched locally—</i>		
Revenue cars.....	2,619	1,760
Non-revenue cars.....	81	1,217
Total.....	2,700	2,977
<i>Total—</i>		
Revenue cars.....	107,629	123,299
Non-revenue cars.....	68,925	90,260
Total.....	176,554	213,559

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out, at a total cost of \$815,692, excluding maintenance of Jacques Cartier bridge, on which \$31,401 was expended.

The larger items were: repairs to railway system, grain elevator system, shore and floating equipment, wharves and piers, sheds, cold storage warehouse, harbour lighting and electric power system, harbour roads.

CAPITAL WORKS

Expenditures chargeable either to capital or replacement reserve amounted to \$555,223. The principal items were:

Construction of Transit Shed, Sections 29-30.—A contract was awarded in May to The Foundation Company of Canada, Limited, for the construction of a single storey, steel frame transit shed, 616 feet by 120 feet, at sections 29-30. Approximately 30 per cent of the work was completed during the year.

Raising Wharf Aprons.—The wharf aprons at sheds nos. 2, 11, 16 and 17 were raised to shed floor levels under a contract awarded to Atlas Construction Company, Limited, in March. The work, consisting of construction of concrete cope walls four to six feet high on top of the existing walls, backfilling the space between cope walls and sheds with stone screenings and paving the surface, was completed.

Installation of Cargo Handling Beams.—Steel beams for the support of cargo handling tackle were installed over alternate doorways on the water side of sheds nos. 44, 45, 46 and 47. The work was carried out under contract awarded to Dominion Bridge Company, Limited, and was completed during the year.

Paving Windmill Point Wharf.—A contract was awarded in September to Charles Duranceau, Limitee, for the paving of Windmill Point wharf from section 5W to section 7W inclusive by the asphalt penetration method. The contract was approximately 30 per cent completed.

Construction of Two Dump Scows.—Under a contract awarded to Canadian Shipbuilding and Engineering, Limited, in January, two steel dump scows, of 150 cubic yard capacity, were constructed for use in harbour dredging operations. The scows were completed and delivered during the year.

Tracks to Serve New Shed, Sections 29-30.—Two railway tracks to serve the shed being constructed at sections 29-30, with connections to the Board's terminal railway system, were laid along the west side of the shed. The work, performed by the Board's forces, was completed.

Replacement Obsolete Electrical Equipment, Substation No. 2.—Replacement of all worn out and dangerous secondary equipment in the electrical distribution room at elevator no. 2 was undertaken by the Board's forces. This work was approximately 85 percent completed.

Power Service to Ships from Wharf Aprons.—Installation of plug-in connections for service to ships was commenced in 1947. The second stage was completed in 1948 by the Board's forces, with the result that all berths are now equipped to supply power to ships.

Installation of Capacitors and Totalizing System.—A totalizing system for measuring electrical energy supplied to the Board on a maximum demand basis was installed during the year by the Board's forces.

Power Cable from Substation No. 1 to Substation No. 5.—One 14 K.V. power cable was installed by the Board's forces between substation no. 1 and substation no. 5.

Minor Items.—These included completion of construction of three public latrines; additional facilities for garage at shed 11; installation of fire escapes at Victoria pier and wharf office buildings; installation of window washing safety anchors; purchase of fifty hand trucks and two weigh scales for cold storage warehouse; completing the outfitting of two harbour tugs; purchase of fuse bonding unit, portable pipe-threading machine, two automobiles, one 2-ton truck, one $\frac{1}{2}$ -ton truck, snow plow blade, new hull for motor boat; construction of new timber guard on cope of King Edward pier; purchase of real estate at sections 66, 67 and 68; construction of new offices in sheds nos. 19 and 25; erection of chain link fence between Marien street wharf and Montreal East wharf; paving area in front of shed no. 19; installation of floodlights at Windmill Point.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$5,608,899, as compared with \$4,990,919 in 1947, an increase of \$617,980. Receipts from the operation of wharves and sheds were moderately higher than in the previous year, as a result of an increase of 8 percent in cargo tonnage. Earnings of the terminal railway were higher due to an increase in the tariff. Grain elevators, cold storage warehouse and floating equipment also produced substantially larger revenues than in 1947.

Operating and maintenance expenses were \$3,186,639, as against \$3,083,884 in 1947, an increase of \$102,755.

Net income deficit, after all charges, including interest due the Dominion Government and reserve for replacements, was \$43,448, as compared with \$575,330 in 1947.

The foregoing figures are exclusive of the operations of Jacques Cartier bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—

Harbour General			
Harbour Dues	\$	38,113 78	
Miscellaneous		22,688 81	
			\$ 60,802 59
Wharves and Piers			
Top Wharfage		1,892,782 90	
Dockage		410,471 61	
Miscellaneous		242,423 61	
			2,545,678 12
Permanent Sheds			
Shed Rentals		301,614 50	
Storage		29,467 89	
Miscellaneous		35,070 16	
			366,152 55
Shed Hoists			33,658 00
Railway System			672,712 09
Grain Elevator System			
Elevation		862,533 65	
Storage		224,756 00	
Miscellaneous		93,381 00	
			1,180,670 65
Cold Storage System			
Storage		348,195 51	
Miscellaneous		58,504 59	
			406,700 10
Miscellaneous—Outsiders			342,524 77
			\$ 5,608,898 87

OPERATING EXPENSES—

Administration			482,886 24
Operation and Maintenance			
Harbour Dredging		43,599 30	
Harbour General		277,288 19	
Roads, Fences and Boundaries		65,163 18	
Sewers and Drains		5,067 97	
Wharves and Piers		90,045 19	
Permanent Sheds		103,703 29	
Shed Hoists		27,110 73	
Railway System		699,426 40	
Grain Elevator System		874,531 55	
Cold Storage System		269,771 32	
Miscellaneous—Outsiders		248,045 81	
			2,703,752 93
			3,186,639 17
Operating Income			2,422,259 70

INCOME RECEIVED FROM RESERVE FUNDS..... 276,844 46

MISCELLANEOUS INCOME CREDITS..... 21,112 48
297,956 94

Total Income..... 2,720,216 64

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves	276,844 46	
Miscellaneous Income Charges	24,787 52	
		301,631 98
		2,418,584 66

OTHER INCOME REQUIREMENTS

Reserve for Replacements	806,315 00	
Interest due Dominion Government	1,655,717 46	
		2,462,032 46

Net Income Deficit..... \$ 43,447 80

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1948

HARBOUR OF MONTREAL

51

ASSETS

FIXED—	
Harbour Dredging.....	\$ 5,564,416 49
Real Estate.....	2,235,022 74
Roads, Fences and Boundaries.....	782,378 59
Sewers and Drains.....	162,992 97
Miscellaneous Structures.....	400,779 04
Wharves and Piers.....	25,005,603 96
Permanent Sheds.....	6,666,171 17
Shed Hoists.....	236,972 88
Railway System.....	4,119,397 01
Grain Elevator System.....	15,621,856 88
Cold Storage System.....	3,017,831 81
Office Furniture and Appliances.....	55,101 05
Harbour Buildings.....	311,967 44
Central Heating Plants.....	14,579 46
Harbour Shops.....	295,135 13
Electric Power System.....	1,025,408 82
Water Supply System.....	163,997 31
Floating Equipment.....	858,696 84
Shore Equipment.....	376,928 23
Works under Construction.....	179,144 40
	<u>\$67,094,382 22</u>

CURRENT—	
Cash—Receiver General of Canada	\$602,827 31
Cash—On Hand.....	54,567 50
*Accounts Receivable.....	690,552 79
Less—Reserve for Bad Debts.....	728 91

Advances due on Capital Account.....	689,823 88
Stores on Hand.....	17,200 84
Accrued Revenue.....	355,139 63
Other Assets.....	87,557 87
	<u>19,456 51</u>

1,826,573 54

SECURITY DEPOSITS.....	143,609 76
REPLACEMENT FUND.....	9,437,274 94
FIRE AND GENERAL INSURANCE FUND.....	875,932 58
PREPAID CHARGES.....	10,987 77
DEFERRED DEBITS.....	23,100 63
	<u>\$79,411,561 44</u>

*Includes \$75,000 estimated as due from Fire and General Insurance Reserve in connection with damage to Shed No. 16.

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$60,531,432 33
Expenditure under Appropriations.....	4,526,842 34
Govt. Loans Applied for—Contra.....	17,200 84
	<u>\$65,075,475 51</u>

33,618 45
13,292 41

ACCOUNTS PAYABLE—CONSTRUCTION.	
Contractors' Holdbacks—Construction.....	

CURRENT—	
Accounts Payable.....	\$ 146,000 67
Salaries and Wages Payable.....	48,717 27
Matured Interest due Dominion Government.....	6,041,963 21
Unclaimed Wages.....	1,139 04
Contractors' Holdbacks—Maintenance.....	
	<u>6,238,117 25</u>

143,609 76

CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	

RESERVES—	
Replacements.....	9,436,099 52
Fire and General Insurance.....	875,947 58
	<u>10,312,047 10</u>

46,437 81

DEFERRED CREDITS.....	

81,862,598 29

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1947.....	2,450,403 50
Net Income Deficit for 1948.....	43,447 80
	<u>2,493,851 30</u>

Deduct—	
Adjustments in 1948.....	42,814 45
	<u>2,451,036 85</u>

\$79,411,561 44

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge during calendar year 1948, with comparisons for 1947.

	1948	1947
Passengers in vehicles.....	10,493,770	9,048,228
Automobiles (passenger).....	2,940,733	2,482,594
Trucks.....	584,812	513,319
Buses.....	110,956	90,453
All others.....	33,544	27,682

REVENUES AND EXPENDITURES

Bridge tolls and sundry receipts amounted to \$974,764, exceeding those of 1947 by \$139,667. Operating and maintenance expenditures were \$129,372, as compared with \$118,779 in the previous year.

After making provision for interest on bonds, reserve for depreciation, and other charges against income, there was a net income deficit of \$640,424, towards which, under agreement, contributions of \$94,962, each are payable by the Province of Quebec and the City of Montreal. The corresponding net income deficit in 1947 was \$766,826.

As reported previously, the City of Montreal, disclaiming liability, did not pay the contribution of \$150,000 in respect of deficit incurred in the operation of the bridge in 1944. The contributions for subsequent years also have not been paid. Legal proceedings have been instituted against the City.

The Province of Quebec has also withheld payment of its contributions.

Consequently, the balance sheet of the bridge as at December 31, 1948, shows accounts receivable of \$1,372,269, being contributions due from both the Province and the City in respect of deficits incurred in the years 1944 to 1948 inclusive.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—		
Bridge Tolls Collected.....	\$ 964,770 84	
Sundry Receipts.....	9,993,00	
	<hr/>	\$ 974,763 84
OPERATING EXPENSES—		
Administration.....	26,260 62	
Operation.....	71,710 23	
Maintenance.....	31,400 82	
	<hr/>	129,371 67
Operating Income.....		<hr/> 845,392 17
INCOME RECEIVED FROM RESERVE FUNDS.....	18,554 09	
MISCELLANEOUS INCOME CREDITS.....	1,876 35	
	<hr/>	20,430 44
Total Income.....		<hr/> 865,822 61
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Income received from Reserve Funds transferred to Reserves.....	18,554 09	
Trustees' Fees, Commissions, etc.....	7,130 70	
Bond Discount.....	8,846 16	
Reserve for Bad Debts.....	22 71	
	<hr/>	34,553 66
Income Available for Interest due Public.....		<hr/> 831,268 95
INTEREST ON DEBT TO THE PUBLIC.....		<hr/> 950,000 00
		<hr/> 118,731 05
OTHER INCOME REQUIREMENTS		
Reserve for Depreciation.....	166,154 63	
Interest due Dominion Government.....	355,538 25	
	<hr/>	521,692 88
		<hr/> 640,423 93
Deduct—		
Proportion of Deficit Payable by:		
Province of Quebec.....	94,961 89	
City of Montreal.....	94,961 89	
	<hr/>	189,923 78
Net Income <i>Deficit</i>	\$	<hr/> <hr/> 450,500 15

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include a grain elevator with a storage capacity of 5,500,000 bushels with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1948, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1948.....	3,823,395	3,249,420	7,072,815
1947.....	9,085,839	7,701,869	16,787,708
1946.....	7,457,193	5,659,845	13,117,038
1945.....	14,432,839	13,095,924	27,528,763
1944.....	10,319,022	4,348,763	14,667,785
<i>Via rail—</i>			
1948.....	473,698	1,012,406	1,486,104
1947.....	578,312	746,291	1,324,603
1946.....	363,237	2,524,916	2,888,153
1945.....	415,870	4,089,029	4,504,899
1944.....	873,558	3,729,292	4,602,850
<i>Via other—</i>			
1948.....	1,478	487,404	488,882
1947.....		653,165	653,165
1946.....		614,616	614,616
1945.....		530,985	530,985
1944.....		480,792	480,792
<i>Total—</i>			
1948.....	4,298,571	4,749,230	9,047,801
1947.....	9,664,151	9,101,325	18,765,476
1946.....	7,820,430	8,799,377	16,619,807
1945.....	14,848,709	17,715,938	32,564,647
1944.....	11,192,580	8,558,847	19,751,427

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$66,746.

The principal items were renewal of rubbing timbers along the dock face, painting steelwork of elevator and marine towers, renewal of roof, railway track maintenance, repairs to elevator buckets, maintenance of electrical equipment and renewal of a portion of the signal system.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$120,037, as compared with \$136,750 in 1947. Expenditures on operation and maintenance were \$160,253, as against \$119,687 in 1947.

Net income deficit for the year was \$38,709, as against a surplus of \$16,788 in 1947. No charge for interest or depreciation of property is made in the accounts of this facility.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948.

OPERATING REVENUES—			
Harbour General			
Miscellaneous.....	\$	277 00	
Wharves and Piers			
Top Wharfage.....	\$	11,331 28	
Miscellaneous.....		100 00	
Railway System.....		115 00	
Grain Elevator System			
Elevation.....	\$	50,116 59	
Storage.....		23,925 33	
Miscellaneous.....		34,171 78	
		<u>108,213 70</u>	
	\$		120,036 98
OPERATING EXPENSES—			
Administration.....		20,615 93	
Operation and Maintenance			
Grain Elevator System.....		139,636 88	
		<u>160,252 81</u>	
Operating Income.....			<u>40,215 83</u>
MISCELLANEOUS INCOME CREDITS.....			
			<u>1,991 65</u>
Total Income.....			<u>38,224 18</u>
MISCELLANEOUS DEDUCTIONS FROM INCOME			
Miscellaneous Income Charges.....			<u>485 14</u>
Net Income Deficit.....	\$		<u><u>38,709 32</u></u>

PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1948, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1948.....	15,773,726	16,553,758	32,327,484
1947.....	14,703,325	11,350,458	26,053,783
1946.....	19,618,350	15,143,725	34,762,075
1945.....	27,607,688	22,774,250	50,381,938
1944.....	9,065,125	6,424,015	15,489,140
<i>Via rail—</i>			
1948.....	34,363	1,619,970	1,654,333
1947.....	70,076	3,042,151	3,112,227
1946.....	4,523	4,292,909	4,297,432
1945.....		2,714,152	2,714,152
1944.....	1,614	2,441,184	2,442,798
<i>Via other—</i>			
1948.....		442,761	442,761
1947.....		355,953	355,953
1946.....		272,319	272,319
1945.....		1,730,209	1,730,209
1944.....		185,298	185,298
<i>Total—</i>			
1948.....	15,808,089	18,616,489	34,424,578
1947.....	14,773,401	14,748,562	29,521,963
1946.....	19,622,873	19,708,953	39,331,826
1945.....	27,607,688	27,218,611	54,826,299
1944.....	9,066,739	9,050,497	18,117,236

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$45,363. The major items were overhauling and repairs to vessel shovel gear, car haul, marine legs, lofters, scales, conveyors, vessel spouts, wharves, building structure and inside electrical circuits.

CAPITAL WORKS

Capital expenditure amount to \$3,754, covering the purchase of machine tools and preliminary investigation for the proposed installation of fire escapes.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$252,186, as compared with \$208,871 in 1947. Operating and maintenance expenses were \$189,414, the corresponding figure for 1947 being \$142,265.

Net income surplus for 1948 was \$62,022, as against \$70,352 in the previous year, a decrease of \$8,330. No charge is made in the accounts of this facility for interest (except a small amount on recent capital expenditures) or for depreciation of physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—

Elevation.....	\$ 167,768 05	
Storage.....	84,224 45	
Miscellaneous.....	193 36	
	<u> </u>	\$ 252,185 86

OPERATING EXPENSES—

Administration.....	28,840 17	
Operation and Maintenance.....	160,574 33	
	<u> </u>	189,414 50

Operating Income..... 62,771 36

MISCELLANEOUS INCOME CREDITS..... 351 24

Total Income..... 63,122 60

MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....	1,077 84	
	<u> </u>	62,044 76

OTHER INCOME REQUIREMENTS—

Interest due Dominion Govt.....	22 81	
---------------------------------	-------	--

Net Income Surplus..... \$ 62,021 95

Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS		LIABILITIES	
Fixed—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 21,875 80	Expenditure under Appropriations.....	\$ 2,356,217 60
Wharves and Piers.....	533,644 00	Loans and Advances—Interest Bearing.....	4,358 35
Railway System.....	42,189 22	Government Loans Applied for.....	215 00
Grain Elevator System.....	1,766,246 48		<u>\$ 2,360,790 95</u>
Office Furniture and Appliances.....	2,251 32		
Miscellaneous—Small Plant.....	4,921 18		
Works under construction.....	3,753 89		
	<u>\$ 2,374,881 89</u>	CURRENT—	
		Accounts Payable.....	2,970 82
		Salaries and Wages Payable.....	1,881 76
		Matured Interest due—Dominion Government.....	22 81
			<u>4,875 39</u>
			2,365,666 34
CURRENT—		SURPLUS AND DEFICIT ACCOUNT—	
Cash—Receiver General of Canada.....	\$ 67,266 16	Surplus as at December 31, 1947.....	136,738 75
Cash—On Hand.....	9,426 33	Net Income Surplus for 1948.....	62,021 95
			<u>198,760 70</u>
Accounts Receivable.....	76,692 49		
Stores on Hand.....	3,817 24		
Advances due on Capital Account.....	38,468 90		
	<u>215 00</u>	DEDUCT—	
	119,193 63	Payment to Dominion Government on account of Surplus Earnings.....	70,351 52
			<u>128,409 18</u>
			<u>\$ 2,494,075 52</u>
			<u>\$ 2,494,075 52</u>

HARBOUR OF CHURCHILL

The Harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels, equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, a locomotive crane of 20 tons capacity, a floating crane of 10 tons capacity, shear legs of 35 tons capacity and a marine slipway capable of handling boats up to 1,200 tons weight.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	35	73,483
1947.....	35	68,361
1946.....	21	40,413
1945.....	9	2,146
1944.....	12	4,109
<i>Departures—</i>		
1948.....	35	73,483
1947.....	35	68,361
1946.....	22	40,510
1945.....	9	2,146
1944.....	12	4,109

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparison for 1947.

	1948		1947	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	15	69,326	16	63,831
Coastal or inland commercial (including fishery).....	20	4,157	19	4,530
Other.....				
Total.....	35	73,483	35	68,361
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	15	69,326	16	63,831
Coastal or inland commercial (including fishery).....	20	4,157	19	4,530
Other.....				
Total.....	35	73,483	35	68,361

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1948, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	949	158,760	159,709
1947.....	375	153,841	154,216
1946.....	37	91,641	91,678
1945.....			
1944.....	20	280	300
<i>Domestic—</i>			
1948.....	103	2,816	2,919
1947.....	50	1,994	2,044
1946.....	56	2,010	2,066
1945.....	30	1,077	1,107
1944.....	45	1,103	1,148
<i>Total—</i>			
1948.....	1,052	161,576	162,628
1947.....	425	155,835	156,260
1946.....	93	93,651	93,744
1945.....	30	1,077	1,107
1944.....	65	1,383	1,448

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1948, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1948.....		5,325,884	5,325,884
1947.....		4,975,754	4,975,754
1946.....		2,928,876	2,928,876
1945.....			
1944.....			
<i>Via rail—</i>			
1948.....	5,279,007		5,279,007
1947.....	5,042,709		5,042,709
1946.....	1,093,881		1,093,881
1945.....			
1944.....			
<i>Via other—</i>			
1948.....			
1947.....			
1946.....		60	60
1945.....		90	90
1944.....		25	25
<i>Total—</i>			
1948.....	5,279,007	5,325,884	10,604,891
1947.....	5,042,709	4,975,754	10,018,463
1946.....	1,093,881	2,928,936	4,022,817
1945.....		90	90
1944.....		25	25

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$68,832. The principal items were dredging at the wharf and replacement of chains at the marine slipway and general running repairs to grain elevator and powerhouse.

CAPITAL WORKS

Expenditure on capital account amounted to \$23,999, covering the placing of foundations and purchase of materials for the construction of a staff building.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$278,712, as compared with \$218,061 in 1947. Expenditures on operation and maintenance were \$321,338, as against \$284,725 in 1947.

After taking into account income credits and debits, there was a net income deficit of \$43,062, as compared with a deficit of \$67,070 shown in 1947, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—			
Harbour General			
Harbour Dues.....	\$	110 00	
Miscellaneous.....		1,930 00	
			\$ 2,040 00
Wharves and Piers			
Top Wharfage.....		1,006 93	
Dockage.....		4,400 00	
Miscellaneous.....		30 00	
			5,436 93
Permanent Sheds			
Storage.....		6,976 66	
Miscellaneous.....		4,608 30	
			11,584 96
Grain Elevator System			
Elevation.....		101,118 84	
Storage.....		10,390 13	
Miscellaneous.....		80,219 94	
			191,728 91
Miscellaneous—Outsiders.....			67,921 57
			\$ 278,712 37
OPERATING EXPENSES—			
Administration.....			41,133 02
Operation and Maintenance			
Harbour Dredging.....		21,178 51	
Harbour General.....		27,640 25	
Roads, Fences and Boundaries.....		4,369 47	
Wharves and Piers.....		12,663 09	
Permanent Sheds.....		3,123 34	
Grain Elevator System.....		148,614 73	
Miscellaneous—Outsiders.....		62,615 10	
			280,204 49
			321,337 51
Operating Deficit.....			42,625 14
MISCELLANEOUS INCOME CREDITS.....			12 40
			42,612 74
MISCELLANEOUS DEDUCTIONS FROM INCOME—			
Miscellaneous Income Charges.....			19 75
			42,632 49
OTHER INCOME REQUIREMENTS—			
Interest due Dominion Government.....			429 21
Net Income Deficit.....			43,061 70

Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 1,180,299 95	Loans and Advances (Interest bearing).....	\$ 28,420 45
Real Estate.....	60,277 58	Expenditure under Appropriations.....	12,874,557 31
Miscellaneous Structures.....	173,298 40	Government loans applied for.....	11,150 82
Wharves and Piers.....	1,367,768 68		<u>\$12,914,128 58</u>
Permanent Sheds.....	200,594 74		
Railway System.....	23,087 68		
Grain Elevator System.....	4,133,460 34	CURRENT—	
Harbour Buildings.....	147,300 05	Accounts Payable.....	15,336 28
Harbour Shops.....	13,299 71	Salaries and Wages Payable.....	609 11
Water Supply System.....	407,897 10	Matured Interest due Dominion Government..	2,254 64
Electric Power System.....	19,491 34		<u>18,200 03</u>
Floating Equipment.....	758,329 91		
Shore Equipment.....	3,562 27		
Miscellaneous Small Plant.....	425,153 83	DEFERRED CREDITS.....	<u>4,928 09</u>
Engineering—General Surveys.....	109,441 06		<u>12,937,256 70</u>
Sundry Expenditure (Undistributed).....	3,774,378 35		
Works under Construction.....	23,999 02		
CURRENT—	<u>\$12,821,580 01</u>		
Cash—Receiver General of Canada. \$	3,489 12	SURPLUS AND DEFICIT ACCOUNT—	
Cash—On Hand.....	2,259 91	Deficit as at December 31, 1947.....	7,135 00
Accounts Receivable.....	5,749 03	Net Income Deficit to 1948.....	43,061 70
Advances due on Capital Account.....	8,106 19		<u>50,196 70</u>
Stores on Hand.....	11,150 82		
Accrued Revenue.....	81,273 77		
	<u>1,451 78</u>	DEDUCT—	
PREPAID CHARGES.....	<u>107,731 59</u>	Government Grant re 1948 Deficit.....	42,632 49
Deferred Debits.....	<u>377 39</u>		<u>7,564 21</u>
	<u>\$12,929,692 49</u>		<u>\$12,929,692 49</u>

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard Inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year round, has a minimum depth of 35 feet. The Board has 3 piers, a wharf and two jetties, having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,779,500 bushels, a combined loading capacity of about 200,000 bushels per hour and 1½ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish. A 40-ton fixed derrick is installed on Lapointe pier.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1948 with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1948.....	28,947	13,645,274
1947.....	28,946	13,353,027
1946.....	26,571	11,318,914
1945.....	24,597	9,824,176
1944.....	24,530	9,081,029
<i>Departures—</i>		
1948.....	28,528	13,621,026
1947.....	28,765	13,406,361
1946.....	26,689	11,340,763
1945.....	24,801	9,805,637
1944.....	24,525	9,312,621

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1948, with comparison for 1947.

	1948		1947	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	926	3,968,855	928	3,977,601
Coastal or inland commercial (including fishery).....	28,021	9,676,419	28,018	9,375,426
Other.....				
Total.....	28,947	13,645,274	28,946	13,353,027
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	929	3,966,975	951	4,054,041
Coastal or inland commercial (including fishery).....	27,599	9,654,051	27,814	9,352,320
Other.....				
Total.....	28,528	13,621,026	28,765	13,406,361

(Exclusive of naval vessels)

TRAFFIC CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1948, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1948.....	2,307,240	2,031,878	4,339,118
1947.....	2,154,984	2,329,496	4,484,480
1946.....	1,715,490	2,519,447	4,234,937
1945.....	1,428,889	1,671,379	3,100,268
1944.....	1,515,019	1,225,246	2,740,265
<i>Domestic—</i>			
1948.....	3,123,343	1,499,948	4,623,291
1947.....	2,949,213	1,527,237	4,476,450
1946.....	2,663,773	1,345,871	4,009,644
1945.....	2,688,433	1,203,821	3,892,254
1944.....	2,772,580	1,298,445	4,071,025
<i>Total—</i>			
1948.....	5,430,583	3,531,826	8,962,409
1947.....	5,104,197	3,856,733	8,960,930
1946.....	4,379,263	3,865,318	8,244,581
1945.....	4,117,322	2,875,200	6,992,522
1944.....	4,287,599	2,523,691	6,811,290

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing tonnages of principal commodities of water-borne cargo unloaded from and loaded to vessels during calendar year 1948, with comparison for 1947.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1948	Outward 1948	Total 1948	Total 1947
	(Tons)	(Tons)	(Tons)	(Tons)
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	1,193,686	177,521	1,371,207	1,267,997
Petroleum Oil, crude.....	1,146,562		1,146,562	972,498
Grain.....		1,121,772	1,121,772	1,336,909
Lumber (Planks, Boards and Flooring) and Square Timber.....	547,715	351,234	898,949	910,960
Petroleum Oil, fuel.....	428,306	350,943	779,249	905,408
Sand and Gravel.....	393,748	10,526	404,274	403,584
Gasoline.....	201,940	150,983	352,923	318,062
Coal, bituminous.....	112,742	169,931	282,673	172,449
Paper, newsprint.....	199,410	18,935	218,345	229,314
Wood-pulp.....	176,938	14,405	191,343	201,940
Cement, common or portland.....	107,615	10,855	118,470	100,927
Flour, wheat.....	4	115,698	115,702	259,227
Kerosene.....	75,268	32,304	107,572	113,430
Sugar, raw.....	92,584		92,584	82,793
Hog Fuel.....		79,101	79,101	59,467
Fish (including Shell-fish), canned or preserved.....	24,212	37,440	61,652	101,384
Fertilizers and Fertilizer Materials.....	16,827	36,834	53,661	79,480
Railway Equipment not otherwise specified.....	165	52,285	52,450	159
Motor Vehicles and Parts.....	33,952	10,678	44,630	22,626
Paper not otherwise specified.....	28,756	13,066	41,822	23,797
Copra.....	38,903	341	39,244	31,859
Fish (including Shell-fish), fresh or frozen.....	30,545	730	31,275	33,000
Lime.....	28,467	1,048	29,515	31,066
Beverages, alcoholic.....	10,999	17,242	28,241	26,001
Machinery and Parts (except agricultural).....	8,909	13,948	22,857	16,538
Ores and Concentrates not otherwise specified.....	17,468	4,904	22,372	8,258
Wood Lath, Pickets, Plywoods, Shingles and Veneers.....	1,465	18,687	20,152	8,243
All Goods not otherwise specified.....	513,397	720,415	1,233,812	1,243,554
Total.....	5,430,583	3,531,826	8,962,409	8,960,930

(Exclusive of ballast (non-revenue), bunkers, ship's stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1948, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1948.....	2,035	2,014	4,049
1947.....	625	494	1,119
1946.....	844	5,404	6,248
1945.....	591	220	811
1944.....	247	34	281
<i>Coastwise—</i>			
1948.....	852,277	874,818	1,727,095
1947.....	911,367	943,928	1,855,295
1946.....	942,297	955,383	1,897,680
1945.....	967,983	973,899	1,941,882
1944.....	923,839	932,328	1,866,167
<i>Total—</i>			
1948.....	854,312	876,832	1,731,144
1947.....	911,992	944,422	1,856,414
1946.....	943,141	960,787	1,903,928
1945.....	968,574	974,119	1,942,693
1944.....	934,086	932,362	1,866,448

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1948, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1948.....		37,396,332	37,396,332
1947.....		46,892,430	46,892,430
1946.....	86,016	57,629,111	57,715,127
1945.....		32,000,960	32,000,960
1944.....		14,552,674	14,552,674
<i>Via rail—</i>			
1948.....	41,730,467	4,979,498	46,709,965
1947.....	53,309,338	6,841,072	60,150,410
1946.....	62,308,200	8,368,282	70,676,482
1945.....	34,655,617	8,612,136	43,267,753
1944.....	20,137,598	4,952,097	25,089,695
<i>Via other—</i>			
1948.....	6,622		6,622
1947.....	14,563		14,563
1946.....	2,290		2,290
1945.....	22,649		22,649
1944.....	18,839		18,839
<i>Total—</i>			
1948.....	41,737,089	42,375,830	84,112,919
1947.....	53,323,901	53,733,502	107,057,403
1946.....	62,396,506	65,997,393	128,393,899
1945.....	34,678,266	40,613,096	75,291,362
1944.....	20,156,437	19,504,771	39,661,208

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1948, with comparison for 1947.

	1948	1947
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	9,561	13,249
Non-revenue cars.....	7,882	5,931
Total.....	17,443	19,180
<i>Delivered to connecting lines (except through cars).</i>		
Revenue cars.....	7,651	5,790
Non-revenue cars.....	9,350	13,452
Total.....	17,001	19,242
<i>Through cars, from connecting lines to connecting lines—</i>		
Revenue cars.....	20,627	20,304
Non-revenue cars.....	18,917	19,470
Total.....	39,544	39,774
<i>Switched locally—</i>		
Revenue cars.....	1,259	795
Non-revenue cars.....	34	74
Total.....	1,293	869
<i>Total—</i>		
Revenue cars.....	39,098	40,138
Non-revenue cars.....	36,183	38,927
Total.....	75,281	79,065

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$257,762, excluding maintenance of Second Narrows bridge, upon which \$39,444 was expended. The principal items were repairs to cranes on Ballantyne pier, resurfacing east apron, Ballantyne pier, repairs to trolley lines and poles on Granville island, restoration of buoyancy on the Fish Wharf float, overhaul of two steam locomotives and one diesel-electric locomotive, major tie renewals in south shore yards, renewal of cross-over on the terminal railway, replacement of the gallery supporting towers at outer east end of No. 3 Jetty, renewal of west roadway and sidewalks at Second Narrows bridge, resurfacing north and south approaches to Second Narrows bridge.

CAPITAL WORKS

Capital expenditure, part of which was provided from replacement fund, amounted to \$67,182. The principal items were:

Renewal of Superstructure, West Indies Wharf.—In 1947 a contract was awarded for the renewal in concrete of the superstructure of West Indies wharf. Three quarters of the work was completed during that year and the balance was finished in 1948.

Renewal of a Portion of the Substructure and Floor of Shed 2, Lapointe Pier.—A contract was awarded during 1947 for the renewal in concrete of a portion of the substructure and floor of shed 2, Lapointe pier, and 60 per cent of the work was done during that year. The remainder was completed during 1948.

Minor Items.—These included the drainage and grading of the north end of Lapointe pier and the installation of a new and larger power cable to the fish wharf.

REVENUES AND EXPENDITURES

Operating revenues were \$2,311,011, as compared with \$2,206,235 in 1947, an increase of \$104,776. Operating and maintenance expenses showed an increase of \$151,607, the comparable figures being \$1,293,634 in 1948, and \$1,142,027 in 1947.

After taking into account income debits and credits and making provision for replacements and interest due the Dominion Government, there was a net income surplus of \$81,127, as compared with \$130,839 in 1947.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—

Harbour General			
Harbour Dues.....	\$	110,420 27	
Cargo Rates.....		693,955 57	
Miscellaneous.....		581,788 29	
		<u>\$</u>	1,386,164 13
Wharves and Piers			
Top Wharfage.....		216,194 47	
Dockage.....		16,828 00	
Miscellaneous.....		11,931 56	
		<u></u>	244,954 03
Permanent Sheds			
Shed Rentals.....		23,354 40	
Storage.....		65,209 25	
Miscellaneous.....		29,355 10	
		<u></u>	117,918 75
Railway System.....			282,626 99
Grain Elevator System			
Rentals.....			197,511 45
Cold Storage System			
Storage.....		2,292 00	
Miscellaneous.....		30,616 05	
		<u></u>	32,908 05
Miscellaneous—Outsiders.....			48,928 08
		<u></u>	\$ 2,311,011 48

OPERATING EXPENSES—

Administration.....		167,691 07	
Operation and Maintenance—			
Harbour Dredging.....		4,634 14	
Harbour General.....		413,043 71	
Roads, Fences and Boundaries.....		2,691 00	
Wharves and Piers.....		136,743 92	
Permanent Sheds.....		131,114 32	
Shed Hoists.....		3,249 94	
Railway System.....		294,341 48	
Grain Elevator System.....		70,290 00	
Cold Storage System.....		28,671 91	
Miscellaneous—Outsiders.....		41,162 09	
		<u></u>	1,125,942 51
			<u>1,293,633 58</u>

Operating Income..... 1,017,377 90

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS..... 194,123 10

MISCELLANEOUS INCOME CREDITS..... 12,240 00

206,363 10

Total Income..... 1,223,741 00

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	192,987 86	
Reserve for Bad Debts.....	474 51	
Miscellaneous Income Charges.....	15,761 61	
	<u></u>	209,223 98
		<u>1,014,517 02</u>

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	250,000 00	
Interest due Dominion Government.....	683,389 87	
	<u></u>	933,389 87

Net Income Surplus..... \$ 81,127 15

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS		LIABILITIES	
FIXED—			
Harbour Dredging.....	\$ 2,237 34	DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	6,035,652 82	Loans and Advances (Interest bearing).....	\$24,870,043 20
Vehicular Bridges.....	98,181 20	Expenditure under Appropriations.....	2,237 34
Roads, Fences and Boundaries.....	284,491 77	Govt. Loans Applied for (Contra).....	2,863 88
Miscellaneous Structures.....	14,355 27		
Wharves and Piers.....	8,032,481 95	ACCOUNTS PAYABLE—CONSTRUCTION.....	\$24,875,144 42
Permanent Sheds.....	1,472,483 66		1,914 56
Railway System.....	1,379,353 28		
Grain Elevator System.....	6,583,158 62		
Cold Storage System.....	95,279 68		
Office Furniture and Appliances.....	36,367 85	CURRENT—	
Harbour Buildings.....	62,051 14	Accounts Payable.....	292,493 61
Water Supply System.....	4,123 08	Salaries and Wages Payable.....	12,631 81
Floating Equipment.....	31,241 02	Matured Interest due Dominion Government...	688,546 46
Shore Equipment.....	287,940 01	Contractors Holdback—Maintenance.....	3,495 86
Miscellaneous Small Plant.....	52,279 69		997,167 74
Engineering—General Surveys.....	3,084 59		
Works under Construction.....	5,610 87	CONTRACTORS' SECURITY DEPOSITS—CONTRA.....	13,741 69
	\$25,080,383 84		
CURRENT—			
Cash—Receiver General of Canada.....	\$ 507,078 40	RESERVES—	
Cash—On Hand.....	15,223 69	Replacement.....	6,518,962 73
Accounts Receivable.....	330,344 61	Fire and General Insurance.....	94,787 57
Less—Reserve for Bad Debts.....	13,994 53	Miscellaneous.....	16,656 55
	522,302 09		6,630,406 85
Advances due on Capital Account.....	316,350 08		
Stores on Hand.....	2,863 88	DEFERRED CREDITS AND SUSPENSE ACCOUNT.....	112,208 27
Accrued Revenue.....	54,711 87		32,630,583 53
	8,883 40		
	905,111 32		
SECOND NARROWS BRIDGE—EQUITY.			
INVESTMENTS.....	215,011 60		
SECURITY DEPOSITS.....	44,749 12		
REPLACEMENT FUND.....	13,741 69		
FIRE AND GENERAL INSURANCE FUND.....	6,518,962 73		
MISCELLANEOUS FUNDS.....	94,787 57	SURPLUS AND DEFICIT ACCOUNT—	
PREPAID CHARGES.....	46,583 01	Surplus as at December 31, 1947.....\$	226,823 09
DEFERRED DEBITS.....	2,421 45	Net Income Surplus 1948.....\$	81,127 15
	16,657 04	Deduct Adjustment in 1948.....	124 40
			307,950 24
			307,825 84
			\$32,938,409 37

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge during calendar year 1948, with comparison for 1947.

	1948	1947
Passengers in vehicles and Pedestrians.....	3,381,596	2,682,075
Automobiles (Passenger).....	979,047	861,951
Trucks, including Buses.....	376,960	284,157
All others.....	2,655	2,163

REVENUES AND EXPENDITURES

Operating revenues amounted to \$255,096, as compared with \$224,447 in 1947, an increase of \$30,649. Operating and maintenance expenses were higher than those of the previous year, the comparable figures being \$95,975 for 1948 and \$67,226 for 1947.

After charging interest on debt to Vancouver harbour, the bridge showed a surplus for the year of \$149,019, as compared with \$141,296 in 1947.

The 1948 surplus from operations, plus a small amount carried over from the previous year, in all \$149,222, was applied in accordance with the amended agreement relating to the acquisition and operation of the bridge, against the expenditure incurred on its reconstruction. Repayments to date amount to \$795,396, leaving a balance unpaid of \$215,012.

INCOME STATEMENT FOR THE CALENDAR YEAR 1948

OPERATING REVENUES—		
Bridge Tolls.....	\$ 252,467 68	
Sundry Receipts.....	2,628 75	
		\$ 255,096 43
OPERATING EXPENSES—		
Administration.....	4,603 48	
Operation.....	51,926 87	
Maintenance.....	39,444 23	
		95,974 58
Operating Income.....		159,121 85
MISCELLANEOUS DEDUCTIONS FROM INCOME		
Reserve for Bad Debts.....		86 62
		159,035 23
INTEREST ON DEBT TO VANCOUVER HARBOUR.....		10,016 42
Operating Surplus (Before providing for instalments of principal).....	\$ 149,018 81	

HEAD OFFICE, OTTAWA

Statement of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1948

REVENUE—	
Assessments.....	\$ 180,827 37
EXPENDITURE—	
Salaries.....	\$ 127,752 91
Travelling Expenses.....	6,946 11
Advertising.....	2,761 00
Office Expenses.....	24,161 39
Treasury Office—Salaries and Expenses.....	19,205 96
	<u>\$ 180,827 37</u>

Head Office, Ottawa
BALANCE SHEET AS AT DECEMBER 31, 1948

ASSETS		LIABILITIES	
FIXED—		CURRENT—	
Office Furniture and Appliances.....	\$ 3,792 74	Accounts Payable.....	\$ 2,500 00
CURRENT—		GENERAL WORKMEN'S COMPENSATION ACCOUNTS—	
Cash—Receiver General of Canada.....	\$ 2,490 00	Reserve.....	451,176 80
Cash—On Hand.....	10 00		
GENERAL WORKMEN'S COMPENSATION FUND—		PENSION ACCOUNTS—	
Cash and Securities.....	443,934 18	Accounts Payable.....	4 72
Accounts Receivable.....	7,242 62	Reserve.....	2,690,224 74
PENSION FUND—			2,690,229 46
Cash.....	2,634,474 72	SURPLUS AND DEFICIT ACCOUNT—	
Accounts Receivable.....	55,754 74	Surplus as at December 31, 1947.....	3,820 24
			3,143,906 26
		Deduct—	
		Adjustments in 1948.....	27 50
			3,792 74
			<u>\$ 3,147,699 00</u>

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ANNUAL REPORT

OF THE

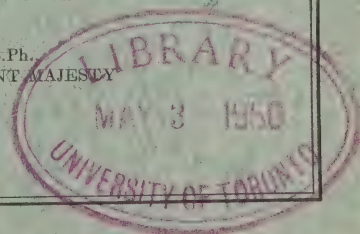
NATIONAL HARBOURS BOARD

For Calendar Year

1949



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.Ph.
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
CONTROLLER OF STATIONERY
1950



Price, 25 cents

ANNUAL REPORT

OF THE

NATIONAL HARBOURS
BOARD

For Calendar Year

1949



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.Ph.,
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
CONTROLLER OF STATIONERY

1950

NATIONAL HARBOURS BOARD

R. K. Smith, K.C.....Chairman.
J. E. St. Laurent, C.M.G., M.E.I.C.....Vice-Chairman.
B. J. Roberts, C.B.E.....Member.

C. P. Buckley.....	Secretary.
T. M. Bryson, M.B.E.....	Assistant Secretary.
E. G. Cameron, M.E.I.C.....	Chief Engineer.
W. C. Perron.....	Traffic Officer.

Halifax.....	R. W. Hendry, M.B.E.....	Port Manager.
Saint John.....	Russell Yuill, M.B.E., M.E.I.C....	Port Manager.
Chicoutimi.....	Albert Maltais.....	Port Manager.
Quebec.....	Louis Beaudry, M.E.I.C.....	Port Manager and Chief Engineer.
Three Rivers.....	J. R. Larivière.....	Port Manager.
Montreal.....	A. G. Murphy., M.E.I.C.....	Port Manager.
Prescott.....	Alex. Ross.....	Superintendent.
Port Colborne.....	C. A. Bennett.....	Superintendent.
Churchill.....	W. N. Twolan.....	Port Manager.
Vancouver.....	A. E. McMaster, O.B.E.....	Port Manager.

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NATIONAL HARBOURS BOARD

OTTAWA, March 11, 1950.

To the Honourable LIONEL CHEVRIER, K.C., M.P.,
Minister of Transport,
Ottawa.

SIR,—Pursuant to Section 32 of The National Harbours Board Act, we have the honour to submit the fourteenth annual report of the National Harbours Board, covering the operations for the calendar year 1949, of the harbours of Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal, Churchill and Vancouver and the Government grain elevators at Prescott and Port Colborne.

SHIPPING

Vessel arrivals in 1949 numbered 44,067, the aggregate net registered tonnage being 34,723,963. The comparable figures for 1948 were 43,627 vessels, aggregating 33,006,672 net registered tons. The following statement shows the number and tonnage of vessels which arrived at and departed from harbours under the administration of the Board in the past five years:

VESSELS—ARRIVALS AND DEPARTURES

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	44,067	34,723,963
1948.....	43,627	33,006,672
1947.....	42,876	29,856,603
1946.....	39,823	26,878,748
1945.....	38,467	29,046,089
<i>Departures—</i>		
1949.....	43,958	34,738,922
1948.....	43,175	33,002,902
1947.....	42,692	29,986,725
1946.....	39,955	26,899,044
1945.....	38,724	29,196,004

(Exclusive of naval vessels)

CARGO TONNAGE

The aggregate cargo tonnage in 1949 at all harbours administered by the Board was 33,713,796, as compared with 31,783,586 in 1948. The increase was 1,930,210 tons, or about 6 per cent. Foreign inward traffic decreased by 446,258 tons and foreign outward traffic increased by 635,966 tons, an aggregate increase in foreign traffic of 189,708 tons. Domestic inward traffic increased by 897,264 tons and domestic outward traffic increased by 843,238 tons, an aggregate increase of 1,740,502 tons.

The principal increase was in grain, which, counting inward as well as outward movements by water, totalled 8,266,173 tons in 1949 as compared with 4,575,440 tons in 1948, a gain of 3,690,733 tons or 81 per cent. Other substantial increases were noted in petroleum and petroleum products, anthracite coal, cement and iron ore. These increases were partially offset by reductions in bituminous coal, lumber, pulpwood, logs, wood-pulp, wheat flour and general cargo.

The following statement summarizes the volume of water-borne cargo tonnage in 1949 and the four previous years:

CARGO TONNAGE—SUMMARY

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949	8,966,194	10,054,211	19,020,405
1948	9,412,452	9,418,245	18,830,697
1947	8,367,607	11,295,790	19,663,397
1946	6,629,129	10,873,318	17,502,447
1945	6,798,404	13,396,234	20,194,638
<i>Domestic—</i>			
1949	9,731,343	4,962,048	14,693,391
1948	8,834,079	4,118,810	12,952,889
1947	7,561,578	3,938,832	11,500,410
1946	6,516,001	3,153,572	9,669,573
1945	7,257,650	2,630,609	9,888,259
<i>Total—</i>			
1949	18,697,537	15,016,259	33,713,796
1948	18,246,531	13,537,055	31,783,586
1947	15,929,185	15,234,622	31,163,807
1946	13,145,130	14,026,890	27,172,020
1945	14,056,054	16,026,893	30,082,947

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

REVENUES AND EXPENDITURES

OPERATING REVENUES

Exceeding those of any previous year, operating revenues of all units administered by the Board amounted to \$14,072,697, as compared with \$12,830,784 in 1948. The increase was \$1,241,913, or nearly 10 per cent. The chief factor in this favourable showing was the increase in grain traffic already referred to. The volume of grain handled in the nine elevators operated by the Board was 72 per cent greater than in the previous year and earnings rose correspondingly. The increase in revenue from grain elevators, including rentals, was \$1,625,000. Toll bridges also showed the substantial increase of \$144,000. These gains were partially offset by reductions in earnings of wharves and piers, terminal railways, and cold storage warehouses. Wharves and piers produced receipts about 5 per cent below those of 1948, attributable to the decline in general cargo.

OPERATING EXPENSES

Expenses of administration, operation and maintenance in 1949 were \$8,160,622, as against \$7,608,578 in 1948, an increase of \$552,044, or 7 per cent. Operating expenses of grain elevators increased upwards of half a million dollars. Increased wages were also a factor in bringing current expenses to a record level. Outlay on maintenance of properties was \$2,064,000, only slightly less than in the previous year.

Operating income in 1949 showed a gain of \$689,869, the comparable figures being \$5,912,075 in 1949, as against \$5,222,206 in 1948.

After taking into account debits and credits to income and charging interest and reserve for replacements, operations for 1949 resulted in a net income deficit of \$1,493,517. This compares with a deficit of \$2,042,353 in 1948. The deficit, therefore, decreased by \$548,836, or 27 per cent.

TARIFFS OF CHARGES

As of August 1, 1949, certain upward revisions in grain elevator charges became effective, in conformity with maximum rates authorized by the Board of Grain Commissioners. Terminal railway charges at Vancouver were increased in some respects, effective September 1, 1949. Otherwise, harbour charges were unchanged, notwithstanding increased costs of operation and maintenance.

CONSOLIDATED STATEMENT—SEVEN HARBOURS

The operations of the Board fall into two divisions: first, the seven harbours administered by local commissioners prior to 1936, and secondly, the grain elevators at Prescott and Port Colborne and the harbour of Churchill, which were entrusted to the Board for operation at the beginning of 1937. Consolidated income statements for each of these divisions are set out below.

The seven harbours referred to—Halifax, Saint John, Chicoutimi, Quebec, Three Rivers, Montreal and Vancouver— had aggregate operating revenues in 1949 of \$13,066,488, as compared with \$12,179,849 in 1948. The increase was \$886,639, or 7 per cent. Expenses of administration, operation and maintenance increased from \$6,937,573 in 1948 to \$7,376,641 in 1949, the difference being \$439,068, or 6 per cent. Operating income increased from \$5,242,276 in 1948 to \$5,689,847 in 1949.

After taking into account income debits and credits and charging interest and reserve for replacements, a net income deficit of \$1,717,375 was shown for these harbours in 1949, as compared with a deficit of \$2,022,604 in the previous year.

During the period that these harbours have been under the administration of the Board, annual revenues have increased by \$5,000,000, and operating expenses have risen by \$2,900,000. The annual deficit position has shown an improvement of \$4,100,000, due in part to the increase in operating income and in part to a reduction in interest rates on borrowed capital.

The following is a comparative income statement for the seven harbours referred to for each of the years 1945 to 1949 inclusive:—

CONSOLIDATED INCOME STATEMENT

HARBOURS OF HALIFAX, SAINT JOHN, CHICOUTIMI, QUEBEC, THREE RIVERS,
MONTREAL AND VANCOUVER

	1949	1948	1947	1946	1945
OPERATING REVENUES.....	\$13,066,488	\$12,179,849	\$11,267,227	\$11,113,296	\$12,840,538
OPERATING AND MAINTENANCE EXPENSES.....	7,376,641	6,937,573	6,464,097	6,051,075	6,433,449
Operating Income.....	5,689,847	5,242,276	4,803,130	5,062,221	6,407,089
MISCELLANEOUS CREDITS (Net).....	120,911	36,708	22,938	111,928	54,497
Total Income.....	5,568,936	5,205,568	4,826,068	5,174,149	6,461,586
INTEREST DUE PUBLIC.....	832,235	1,001,232	1,019,872	1,040,497	1,012,703
	4,736,651	4,204,336	3,806,196	4,133,652	5,448,883
OTHER INCOME REQUIREMENTS—					
Reserve for Replacements.....	1,928,002	1,922,470	1,941,557	1,938,590	1,934,562
Interest due Government.....	4,642,606	4,494,394	4,577,116	7,062,765	7,049,368
	6,570,608	6,416,864	6,518,673	9,001,355	8,983,930
	1,833,957	2,212,528	2,712,477	4,867,703	3,535,047
Deduct—					
Special Contributions to Deficits					
(Bridge—Montreal).....	116,582	189,924	282,346	300,000	300,000
Net Income Deficit.....	1,717,375	\$2,022,604	\$2,430,131	\$4,667,703	\$3,235,047

PRESCOTT, PORT COLBORNE AND CHURCHILL

Consolidated income statement for the grain elevators at Prescott and Port Colborne and the harbour of Churchill showed operating revenues of \$1,006,209 in 1949, as compared with \$650,935 in the previous year. Operating and maintenance expenses were \$783,980 in 1949, as against \$671,005 in 1948. These three units showed a surplus of \$223,857 in 1949, as compared with a deficit of \$19,749 in 1948. The improved outcome for the year arose out of the operations of the Prescott and Port Colborne grain elevators, the volume of business of which was more than double that of the previous year. Activity at Churchill was slightly greater than in 1948, grain shipments being 5,500,000

bushels, carried by sixteen vessels. Inward foreign cargo amounted to 2,000 tons. The accounts for these facilities do not include charges for interest or reserve for replacements, other than a small amount for interest on capital expended since these units were transferred to the Board.

The following is a consolidated income statement for these facilities for 1949, showing also comparative figures for the preceding four years:

CONSOLIDATED INCOME STATEMENT

PRESCOTT AND PORT COLBORNE ELEVATORS AND HARBOUR OF CHURCHILL

	1949	1948	1947	1946	1945
Operating Revenues.....	\$1,006,209	\$650,935	\$563,682	\$408,255	\$555,285
Operating and Maintenance Expenses....	783,980	671,005	546,677	415,531	417,799
Other Debits and Credits (Net).....	222,229 1,628	20,070 321	17,005 3,064	7,276 16,301	137,486 8,911
Net Income Surplus or Deficit..	\$223,857	\$19,749	\$20,069	\$9,025	\$146,397

The following statistical record is submitted showing operating revenues, operating expenses and operating income of each unit under the administration of the Board, together with combined totals for all units:

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Halifax.....	1935	500,936	504,851	3,915*
	1936	510,179	433,040	77,139
	1937	581,740	429,472	152,268
	1938	599,856	420,765	179,091
	1939	744,470	420,841	323,629
	1940	1,225,787	547,285	678,502
	1941	1,593,478	803,052	790,426
	1942	1,832,318	889,120	943,198
	1943	1,848,330	1,000,664	847,666
	1944	1,801,217	1,116,104	685,113
	1945	1,653,732	1,033,935	619,797
	1946	1,243,649	834,713	408,936
	1947	1,161,261	800,168	361,093
	1948	1,270,564	862,529	408,035
	1949	1,300,605	893,699	406,906
Saint John.....	1935	322,954	272,860	50,094
	1936	367,448	256,380	111,068
	1937	435,952	240,302	195,650
	1938	445,726	242,544	203,182
	1939	466,004	237,882	228,122
	1940	661,359	258,901	402,458
	1941	776,066	264,971	511,095
	1942	1,133,509	319,114	814,395
	1943	1,492,579	440,134	1,052,445
	1944	1,423,537	512,482	911,055
	1945	1,458,507	494,698	963,809
	1946	933,497	459,627	473,870
	1947	945,198	488,756	456,422
	1948	805,364	472,365	332,999
	1949	715,423	501,163	214,260
Chicoutimi.....	1935	13,328	20,401	7,073*
	1936	21,307	18,639	2,668
	1937	21,750	14,361	7,389
	1938	21,254	13,374	7,880
	1939	20,414	14,078	6,336
	1940	34,139	15,247	18,892
	1941	30,339	16,100	14,239
	1942	30,067	16,887	13,180
	1943	32,016	25,880	6,136
	1944	31,923	18,402	13,521
	1945	30,723	20,719	10,004
	1946	32,666	17,178	15,488
	1947	40,573	21,407	19,166
	1948	50,310	20,512	29,798
	1949	58,386	19,440	38,946

* Deficit.

		Operating Revenues	Operating Expenses	Operating Income
		\$	\$	\$
Quebec.....	1935	466,474	781,758	315,284*
	1936	482,542	673,838	191,296*
	1937	447,780	572,334	124,554*
	1938	488,013	537,316	49,303*
	1939	469,424	492,203	22,779*
	1940	684,988	504,078	180,910
	1941	710,867	583,546	127,321
	1942	620,030	760,012	139,982*
	1943	762,644	643,458	119,186
	1944	913,705	669,903	243,802
	1945	944,190	797,714	146,476
	1946	672,264	678,427	6,163*
	1947	627,732	691,609	63,877*
	1948	684,128	833,283	149,155*
	1949	871,022	813,289	57,733
Three Rivers.....	1935	93,076	47,837	45,239
	1936	122,347	32,191	90,156
	1937	172,309	18,023	154,286
	1938	191,881	33,242	158,639
	1939	165,682	18,147	147,535
	1940	237,924	44,905	193,019
	1941	243,911	38,930	204,981
	1942	185,738	22,603	163,135
	1943	199,023	18,011	181,012
	1944	224,933	55,489	169,444
	1945	294,648	32,165	262,483
	1946	229,882	29,822	200,060
	1947	235,765	50,242	185,523
	1948	219,712	43,264	176,448
	1949	213,745	45,194	168,551
Montreal.....	1935	4,032,770	2,394,967	1,637,803
	1936	4,238,836	2,209,179	2,029,657
	1937	4,377,350	2,136,800	2,240,550
	1938	4,917,837	2,095,656	2,822,181
	1939	4,469,097	1,987,928	2,481,169
	1940	5,117,818	2,116,681	3,001,137
	1941	5,174,415	2,214,748	2,959,667
	1942	3,797,440	2,167,596	1,629,844
	1943	3,786,305	2,039,507	1,746,798
	1944	4,698,030	2,212,488	2,485,542
	1945	5,484,859	2,928,685	2,556,174
	1946	4,897,323	2,937,201	1,960,122
	1947	4,990,919	3,083,883	1,907,036
	1948	5,608,899	3,186,639	2,422,260
	1949	6,272,697	3,663,798	2,608,899
Jacques Cartier Bridge—(Montreal).....	1935	347,698	145,439	202,259
	1936	354,867	91,861	263,006
	1937	423,785	84,550	339,235
	1938	445,945	91,785	354,160
	1939	463,124	91,266	371,858
	1940	474,270	103,167	371,103
	1941	589,768	105,870	483,898
	1942	537,406	102,903	434,503
	1943	520,120	97,020	423,100
	1944	600,237	99,098	501,139
	1945	604,629	105,422	499,207
	1946	730,701	113,337	617,364
	1947	835,097	118,779	716,318
	1948	974,764	129,372	845,392
	1949	1,104,921	141,727	963,194
Prescott.....	1936	173,671	92,715	80,956
	1937	57,257	81,888	24,631*
	1938	68,989	75,204	6,215*
	1939	242,741	74,778	167,963
	1940	284,271	93,384	190,887
	1941	215,606	86,126	129,480
	1942	233,718	82,399	151,319
	1943	112,691	74,418	38,273
	1944	257,750	110,575	147,175
	1945	195,723	119,422	76,301
	1946	111,911	101,812	10,099
	1947	136,750	119,687	17,063
	1948	120,037	160,253	40,216*
	1949	264,004	150,155	113,849

* Deficit.

	Operating Revenues	Operating Expenses	Operating Income
	\$	\$	\$
Port Colborne.....1936	190,723	114,495	76,228
1937	126,457	99,546	26,911
1938	249,622	133,319	116,303
1939	255,659	119,207	136,452
1940	212,648	91,660	120,988
1941	164,167	79,937	84,230
1942	171,280	3,100	98,180
1943	129,905	74,153	55,752
1944	239,703	97,106	142,597
1945	292,777	145,711	147,066
1946	223,631	140,494	83,137
1947	208,871	142,265	66,606
1948	252,185	189,414	62,771
1949	485,718	293,881	191,837
Churchill.....1936	84,443	280,458	196,015*
1937	6,418	148,331	141,913*
1938	83,867	136,491	52,624*
1939	108,264	154,672	46,408*
1940	70,518	110,184	39,666*
1941	70,267	102,499	32,232*
1942	144,782	139,348	5,434
1943	95,860	132,372	36,512*
1944	71,028	128,635	57,607*
1945	66,785	152,666	85,881*
1946	72,713	173,225	100,512*
1947	218,061	284,725	66,664*
1948	278,712	321,337	42,625*
1949	256,487	339,944	83,457*
Vancouver.....1935	1,537,044	736,554	800,490
1936	1,792,980	718,997	1,073,983
1937	1,636,648	708,830	927,818
1938	1,453,905	566,397	887,508
1939	1,578,036	590,743	987,293
1940	1,480,904	568,853	912,051
1941	1,476,586	568,309	908,277
1942	1,568,977	588,502	980,475
1943	1,736,959	670,930	1,066,029
1944	2,138,666	916,767	1,221,899
1945	2,199,550	956,434	1,243,116
1946	2,184,238	918,664	1,265,574
1947	2,206,235	1,142,027	1,064,208
1948	2,311,011	1,293,633	1,017,378
1949	2,260,677	1,209,250	1,051,427
Second Narrows Bridge—(Vancouver).....1935	113,168	71,083	42,085
1936	140,089	60,586	79,503
1937	164,899	62,611	102,288
1938	178,039	62,630	115,409
1939	110,225	57,074	53,151
1940	117,569	52,480	65,089
1941	143,955	55,201	88,754
1942	161,535	58,193	103,342
1943	144,645	61,024	83,621
1944	137,585	62,037	75,548
1945	169,701	63,677	106,024
1946	189,076	61,925	127,151
1947	224,447	67,226	157,221
1948	255,096	95,974	159,122
1949	269,012	89,082	179,930
All Units.....1935	17,427,448	4,975,750	2,451,698
1936	8,479,432	4,982,379	3,497,053
1937	8,452,355	4,598,442	3,853,913
1938	9,144,935	4,408,724	4,736,211
1939	9,093,140	4,258,821	4,834,319
1940	10,602,199	4,506,827	6,095,372
1941	11,189,428	4,919,289	6,270,139
1942	10,416,805	5,219,781	5,197,024
1943	10,861,081	5,277,574	5,583,507
1944	12,538,318	5,999,089	6,539,229
1945	13,395,824	6,851,249	6,544,575
1946	11,521,551	6,466,606	5,054,945
1947	11,830,910	7,010,775	4,820,135
1948	12,830,784	7,608,578	5,222,206
1949	14,072,697	8,160,622	5,912,075

* Deficit. † Does not include Prescott Elevator, Port Colborne Elevator and Churchill Harbour.

CAPITAL EXPENDITURES

Work was commenced in 1949 on several new major construction projects involving a total expenditure to completion of about \$5,750,000. These include a new pier at Halifax, wharf and shed reconstruction at Quebec, and wharf reconstruction and shed addition at Montreal. Expenditures incurred in 1949 on the above-mentioned and other capital and replacement works amounted to \$4,837,091, of which \$4,726,510 was charged to capital and \$110,581 to reserve funds. The distribution of these expenditures was as follows:

<i>Capital—</i>	
Halifax.....	\$ 1,899,432
Saint John.....	1,473,057
Quebec.....	575,522
Three Rivers.....	2,163
Montreal.....	561,694
Port Colborne.....	7,040
Churchill.....	192,461
Vancouver.....	15,141
	<hr/>
	4,726,510
<i>Replacement of Physical Assets—</i>	
Saint John.....	\$ 47,000
Quebec.....	52,484
Montreal.....	9,549
Churchill.....	300
Vancouver.....	1,248
	<hr/>
	110,581
	<hr/>
	\$ 4,837,091

Capital expenditures are financed from advances made to the Board by the Government, on the deposit of certificates of indebtedness bearing interest at $2\frac{3}{4}$ per cent per annum.

The book value of fixed assets as at December 31, 1949, was \$231,051,123.

Capital works are referred to in detail in the data submitted for each harbour.

FINANCE

As of November 1, 1949, \$19,000,000 Harbour Commissioners of Montreal 5% bonds, due November 1, 1969, were called for payment. These bonds were issued to pay for the construction of Jacques Cartier bridge. Funds for their redemption were advanced by the Government in the amount of \$20,049,750, to provide for the principal, redemption premium and exchange.

The following statement sets out the various amounts received and to be received from the Government in respect of the Board's financial requirements relating to the year 1949, and also the amounts paid to the Treasury from Board funds:

<i>Amounts Required from Government:</i>	
Capital expenditures, 1949.....	\$ 4,726,510
Retirement of debt—	
Saint John.....	\$ 85,000
Montreal.....	20,049,750
	<hr/>
	20,134,750
Deficits—	
Churchill.....	83,141
	<hr/>
	\$ 24,944,401
<i>Amounts Paid to Government:</i>	
Interest on Advances.....	\$ 2,800,023
Surplus earnings:	
Port Colborne Elevator (1948).....	62,022
Repayment of advances.....	171,561
	<hr/>
	\$ 3,033,606

RESERVE FUNDS

As at December 31, 1949, reserve funds for replacement of physical assets (as from January 1, 1936) and for insurance and workmen's compensation amounted to \$28,188,352, the accretion in the year to these funds being \$2,384,779.

These reserves consist of cash on deposit with the Receiver General, \$796,436, and investments in authorized securities, book value \$27,391,916 (market value \$27,947,778).

The amount of the Board's pension fund at the close of the year was \$3,280,520, on deposit with the Receiver General. In addition, miscellaneous funds, including provision for special maintenance, were held in the amount of \$776,823, represented by cash on deposit with the Receiver General, \$132,584, and authorized investments, book value \$644,239 (market value \$660,880).

As provided by Section 31 of the National Harbours Board Act, separate accounts have been kept for each harbour or property and the revenues of each have been assigned exclusively for its own purposes.

Consolidated income statement and balance sheet, together with similar statements for each harbour and the elevators at Prescott and Port Colborne, as well as Head Office, supplemented by shipping and traffic statistics and information respecting work carried on during the year, are appended to this report.

The Auditor General of Canada has carried on a continuous audit of the accounts.

Respectfully submitted,

R. K. SMITH,
Chairman.

J. E. ST. LAURENT,
Vice-Chairman.

C. P. BUCKLEY,
Secretary.

B. J. ROBERTS.

NATIONAL HARBOURS BOARD

CONSOLIDATED INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—

Harbour General—

Harbour Dues.....	\$ 238,933 65	
Cargo Rates.....	712,674 32	
Miscellaneous.....	616,388 38	
		\$ 1,567,996 35

Wharves and Piers—

Top Wharfrage.....	3,005,266 13	
Dockage.....	774,117 94	
Miscellaneous.....	419,354 36	
		4,198,738 43

Permanent Sheds—

Shed Rentals.....	499,813 82	
Storage.....	190,658 47	
Miscellaneous.....	113,892 97	
		804,365 26

Shed Hoists.....

33,036 00

Railway System.....

892,943 57

Grain Elevator System—

Elevation.....	2,261,674 86	
Storage.....	975,694 33	
Rentals.....	262,078 43	
Miscellaneous.....	246,298 99	
		3,745,746 61

Cold Storage System—

Storage.....	676,487 92	
Miscellaneous.....	223,686 50	
		900,174 42

Miscellaneous—Outsiders.....

555,763 10

Bridge Tolls and Sundry Receipts.....

1,373,933 17

\$14,072,696 91

OPERATING EXPENSES—

Administration..... 1,105,575 81

Operation and Maintenance—

Harbour Dredging.....	181,171 70	
Harbour General.....	1,008,526 59	
Vehicular Bridges.....	6,603 16	
Roads, Fences and Boundaries.....	65,528 29	
Sewers and Drains.....	12,559 43	
Wharves and Piers.....	430,591 97	
Permanent Sheds.....	613,317 44	
Shed Hoists.....	31,590 49	
Railway System.....	1,159,974 74	
Grain Elevator System.....	2,168,489 90	
Cold Storage System.....	688,696 62	
Miscellaneous Outsiders.....	487,420 25	
Bridges.....	200,575 13	
		7,055,045 71

8,160,621 52

Operating Income.....

5,912,075 39

INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....

777,688 60

MISCELLANEOUS INCOME CREDITS.....

162,281 34

939,969 94

Total Income.....

6,852,045 33

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	776,553 36	
Reserve for Bad Debts.....	1,010 78	
Miscellaneous Income Charges.....	191,566 25	
Trustees' Fees, Commissions, Bond Discount, etc.....	23,068 52	
Bond Redemption Expense and premium on U.S. Funds.....	65,929 82	
		1,058,128 73

Income Available for Interest due Public.....

5,793,916 60

INTEREST ON DEBT TO THE PUBLIC.....

832,285 24

4,961,631 36

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	1,761,847 00	
Reserve for Depreciation.....	166,154 63	
Interest due Dominion Government.....	4,643,729 18	
		6,571,730 81
		1,610,099 45

Deduct:

Special Contributions to Deficit (Bridge-Montreal)..... 116,582 12

Net Income Deficit..... \$ 1,493,517 33

NATIONAL HARBOURS BOARD

CONSOLIDATED BALANCE SHEET

ASSETS

FIXED—

Harbour Dredging.....	\$12,249,552 51	
Real Estate.....	12,777,971 59	
Vehicular Bridges.....	300,394 92	
Roads, Fences and Boundaries.....	1,800,858 18	
Sewers and Drains.....	679,479 06	
Miscellaneous Structures.....	756,924 27	
Wharves and Piers.....	89,358,528 16	
Permanent Sheds.....	20,633,861 55	
Shed Hoists and Electric Cranes.....	248,972 88	
Railway System.....	7,103,673 01	
Grain Elevator System.....	41,863,174 00	
Cold Storage System.....	5,757,749 04	
Office Furniture and Appliances.....	163,610 04	
Harbour Buildings.....	777,030 13	
Central Heating Plants.....	152,443 36	
Harbour Shops.....	326,579 11	
Electric Power System.....	1,176,316 44	
Water Supply System.....	763,350 49	
Floating Equipment.....	2,018,341 22	
Shore Equipment.....	915,749 51	
Miscellaneous Small Plant.....	570,219 78	
Engineering—General Surveys.....	606,402 98	
Works under Construction.....	6,032,381 61	
Sundry Expenditure—Undistributed.....	5,390,903 96	
Bridge Construction and Right-of-Way.....	18,626,655 32	
		\$231,051,123 12

CURRENT—

Cash—Receiver General and on Hand.....	2,182,466 24	
Accounts Receivable.....	2,695,130 32	
Advances due on Capital Account.....	31,320 36	
Stores on Hand.....	730,731 90	
Accrued Revenue.....	289,599 90	
Other Assets.....	152,774 06	
		6,082,022 78
INVESTMENTS.....		44,759 36
SECURITY DEPOSITS.....		959,706 53
REPLACEMENT FUND.....		26,098,480 29
FIRE AND GENERAL INSURANCE FUND.....		1,577,995 28
GENERAL WORKMEN'S COMPENSATION FUND.....		511,876 64
PENSION FUND.....		3,280,519 62
MISCELLANEOUS FUNDS.....		776,822 89
BOND DISCOUNT AND REDEMPTION SUSPENSE ACCOUNT—(BRIDGE—MONTREAL).....		1,216,451 62
PREPAID CHARGES.....		20,211 08
DEFERRED DEBITS.....		98,553 15
		\$271,718,522 36

NATIONAL HARBOURS BOARD

AS AT DECEMBER 31, 1949

LIABILITIES

DEBENTURE INDEBTEDNESS TO PUBLIC.....	\$	671,282 35
DOMINION GOVERNMENT ACCOUNT—		
Loans and Advances (Interest Bearing).....	\$183,405,353 46	
Expenditure under Appropriations.....	50,908,458 84	
Government Loans Applied for—Contra.....	31,320 36	
	<u>\$234,345,132 66</u>	
ACCOUNTS PAYABLE—CONSTRUCTION.....		649,052 47
CONTRACTORS' HOLDBACKS—CONSTRUCTION.....		557,168 55
CURRENT—		
Accounts Payable.....	572,562 96	
Salaries and Wages Payable.....	89,863 96	
Matured Interest Unpaid—		
Due Public.....	1,115 89	
Due Dominion Government.....	30,353,522 21	
Accrued Interest due Public.....	13,944 82	
Unclaimed Wages.....	625 22	
Matured Debentures due Public.....	4,500 00	
Other Current Liabilities.....	13,396 89	
	<u>31,049,531 95</u>	
CONTRACTORS' SECURITY DEPOSITS—CONTRA.....		959,706 53
RESERVES—		
Replacement.....	28,323,695 79	
Fire and General Insurance.....	1,577,995 28	
General Workmen's Compensation.....	511,876 64	
Pensions.....	3,280,519 62	
Miscellaneous.....	3,656,444 05	
	<u>37,350,531 38</u>	
DEFERRED CREDITS.....		238,895 32
		<u>305,821,301 21</u>
SURPLUS AND DEFICIT ACCOUNT—		
Deficit as at December 31, 1948.....	32,438,848 22	
Net Income Deficit for 1949.....	1,493,517 33	
	<u>33,932,365 55</u>	
ADD—		
Adjustments in 1949.....	170,413 30	
	<u>34,102,778 85</u>	
		<u>\$271,718,522 36</u>

HARBOUR OF HALIFAX

The harbour of Halifax, situated on the Atlantic Coast of Nova Scotia, is approached directly from the ocean by a channel with a minimum depth of 50 feet at low tide. It is open to navigation the year round and is served by both the Canadian National and Canadian Pacific railways. Here, the National Harbours Board operates eight main piers and wharves having about 17,000 linear feet of berthing and being equipped with 14 transit sheds with an aggregate floor area of about 1,166,000 square feet. In addition, the Board operates a 2,200,000 bushel grain elevator with a maximum loading capacity of 75,000 bushels per hour and a marine tower with an unloading capacity of 15,000 bushels per hour; also a cold storage terminal warehouse, with about 1,655,350 cubic feet of storage space, completely fitted with freezing, storing and packing equipment and ample rail connections. A cattle shed with yards and runways, with a capacity of 1,000 head, is provided at a location convenient to both water and rail.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	2,827	4,305,605
1948.....	2,579	4,179,092
1947.....	2,319	3,406,482
1946.....	2,409	3,803,472
1945.....	3,160	7,084,222
<i>Departures—</i>		
1949.....	2,788	4,245,094
1948.....	2,577	4,191,991
1947.....	2,319	3,428,103
1946.....	2,414	3,811,116
1945.....	3,219	7,306,431

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparison for 1948.

	1949		1948	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1,305	4,140,177	1,195	4,015,778
Coastal or inland commercial (including fishery).....	1,483	134,959	1,344	132,650
Other.....	39	30,469	40	30,664
Total.....	2,827	4,305,605	2,579	4,179,092
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1,280	4,079,655	1,189	4,028,192
Coastal or inland commercial (including fishery).....	1,468	134,517	1,351	133,921
Other.....	40	30,922	37	29,878
Total.....	2,788	4,245,094	2,577	4,191,991

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949.....	1,754,331	900,026	2,654,357
1948.....	1,888,671	1,083,417	2,972,088
1947.....	1,599,594	1,389,391	2,988,985
1946.....	1,439,930	1,388,881	2,828,811
1945.....	2,476,645	2,683,160	5,159,805
<i>Domestic—</i>			
1949.....	255,567	656,331	911,898
1948.....	316,892	340,226	657,118
1947.....	245,887	342,587	588,474
1946.....	298,512	258,389	556,901
1945.....	324,232	299,007	623,239
<i>Total—</i>			
1949.....	2,009,898	1,556,357	3,566,255
1948.....	2,205,563	1,423,643	3,629,206
1947.....	1,845,481	1,731,978	3,577,459
1946.....	1,738,442	1,647,270	3,385,712
1945.....	2,800,877	2,982,167	5,783,044

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparison for 1948.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Petroleum Oil, crude.....	1,147,272	.....	1,147,272	1,162,458
Petroleum Oil, fuel.....	100,595	448,792	549,387	486,182
Gasoline.....	223,639	186,892	410,531	393,423
Grain.....	123	292,627	292,750	240,660
Coal, bituminous.....	115,880	.....	115,880	222,096
Flour, wheat.....	1,006	119,633	120,639	99,859
Lumber (Planks, Boards and Flooring) and Square Timber.....	270	68,698	68,968	57,196
Kerosene.....	56,557	5,348	61,905	110,696
Fish (including Shell-fish), dried, pickled, salted or smoked.....	14,222	43,238	57,460	44,801
Cement, common or portland.....	46,146	379	46,525	40,893
Fish (including Shell-fish), fresh or frozen.....	40,757	2,406	43,163	51,261
Coal, anthracite.....	40,351	16	40,367	33,083
Sugar, raw.....	38,483	10	38,493	34,178
Apples.....	9	36,983	36,992	3,624
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	45	33,316	33,361	49,326
Fertilizers and Fertilizer Materials.....	14,432	14,028	28,480	17,353
Potatoes.....	151	28,060	28,211	18,307
Motor Vehicles and Parts.....	22,734	5,212	27,946	26,247
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	5,775	19,952	25,727	19,852
Rubber, crude (including Latex).....	23,465	959	24,424	39,121
Paper, newsprint.....	25	21,168	21,193	20,472
Railway Equipment not otherwise specified.....	21	18,016	18,037	.....
Copper Concentrates, Matte and Ore.....	.....	16,570	16,570	10,269
Barytes.....	.....	15,023	15,023	3,711
Tea.....	12,469	1,262	13,731	6,822
Grain Products (Mill Products except Wheat Flour).....	25	11,828	11,853	19,502
Meats, canned, cured, prepared or preserved.....	1,186	9,910	11,096	23,523
All Goods not otherwise specified.....	104,240	156,031	260,271	394,291
Total.....	2,009,898	1,556,357	3,566,255	3,629,206

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1949, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1949.....	60,351	13,937	74,288
1948.....	73,224	14,206	87,430
1947.....	34,637	14,393	49,030
1946.....	73,252	10,469	83,721
1945.....	20,782	8,571	29,353
<i>Coastwise—</i>			
1949.....	632	560	1,192
1948.....			
1947.....			
1946.....			
1945.....			
<i>Total—</i>			
1949.....	60,983	14,497	75,480
1948.....	73,224	14,206	87,430
1947.....	34,637	14,393	49,030
1946.....	73,252	10,469	83,721
1945.....	20,782	8,571	29,353

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....		9,335,862	9,335,862
1948.....		7,429,622	7,429,622
1947.....	15,970	7,010,768	7,026,738
1946.....	301,219	6,573,017	6,874,236
1945.....	110,484	14,981,004	15,091,488
<i>Via rail—</i>			
1949.....	9,987,343	2,000	9,989,343
1948.....	8,614,307	3,733	8,618,040
1947.....	7,313,687		7,313,687
1946.....	6,066,933	134,162	6,201,095
1945.....	14,667,698	1,000	14,668,698
<i>Via other—</i>			
1949.....		43,044	43,044
1948.....		42,395	42,395
1947.....		172,952	172,952
1946.....		142,077	142,077
1945.....		69,634	69,634
<i>Total—</i>			
1949.....	9,987,343	9,380,906	19,368,249
1948.....	8,614,307	7,475,750	16,090,057
1947.....	7,329,657	7,183,720	14,513,377
1946.....	6,368,152	6,849,256	13,217,408
1945.....	14,778,182	15,051,638	29,829,820

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$215,472. The main items were repairs to concrete piles at pier 2, repairs to concrete aprons and fenders on the north side of pier 2, replacing lofter leg casings and windows in the grain elevator and painting the exterior of sheds 23, 24, 25, 27 and 28.

CAPITAL WORKS

Expenditure on capital account during the year amounted to \$1,899,432. The principal items were:

Construction of Shed 26 and Grain Gallery.—A contract was awarded in 1948 to Fundy Construction Company, Ltd., for the construction of a single storey transit shed at berth 26, together with a two-belt grain conveyor gallery. About 10 per cent of the contract work was done during that year. This work was continued in 1949 and was approximately 95 per cent completed at the year end.

Reconstruction of Pier 3.—A contract was awarded in May, 1949, to E. G. M. Cape & Company Ltd., for the demolition of the existing wood pile pier 3 and the construction of a reinforced concrete crib and fill type pier, approximately 750 ft. by 250 ft. The work was about 60 per cent completed in 1949.

Minor Items.—These included the installation of heating facilities in the lower floor of shed 21 and the purchase of two engineer's transits.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$1,300,605, as compared with \$1,270,564 in 1948, the increase being \$30,041. Operating and maintenance expenses were \$893,699, as against \$862,529 in the previous year, the increase being \$31,170.

After charging interest due the Government and reserve for replacements, the year's operations resulted in a net income deficit of \$138,332, as compared with a deficit of \$139,239 in 1948.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES

Harbour General

Harbour Dues.....	\$ 30,657 08	
Miscellaneous.....	7,455 98	
	<u>\$</u>	38,113 06

Wharves and Piers

Top Wharfage.....	320,632 90	
Dockage.....	131,426 65	
Miscellaneous.....	29,146 86	
	<u></u>	481,206 41

Permanent Sheds

Shed Rentals.....	78,090 32	
Storage.....	29,357 07	
Miscellaneous.....	53,201 93	
	<u></u>	160,649 32

Grain Elevator System

Elevation.....	129,694 56	
Storage.....	70,740 66	
Miscellaneous.....	5,594 93	
	<u></u>	206,030 15

Cold Storage System

Storage.....	235,464 90	
Miscellaneous.....	124,287 67	
	<u></u>	359,752 57

Miscellaneous—Outsiders.....	54,853 46	
	<u>\$</u>	1,300,604 97

OPERATING EXPENSES

Administration.....	108,008 68
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Operation and Maintenance

Harbour General.....	54,169 21	
Roads, Fences and Boundaries.....	2,863 71	
Sewers and Drains.....	756 33	
Wharves and Piers.....	67,002 52	
Permanent Sheds.....	221,329 33	
Grain Elevator System.....	135,480 64	
Cold Storage System.....	265,380 21	
Miscellaneous—Outsiders.....	38,708 23	
	<u>785,690 18</u>	893,698 86
Operating Income.....		<u>406,906 11</u>

INCOME RECEIVED FROM RESERVE FUNDS.....	90,812 15
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MISCELLANEOUS INCOME CREDITS.....	2,144 08	
	<u></u>	92,956 23
Total Income.....		<u>499,862 34</u>

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	90,812 15	
Miscellaneous Income Charges.....	995 71	
	<u></u>	91,807 86
		<u>408,054 48</u>

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	346,386 47	
	<u></u>	546,386 47
Net Income Deficit.....	<u>\$</u>	<u>138,331 99</u>

LIABILITIES

[illegible]

HARBOUR OF SAINT JOHN

The harbour of Saint John, situated at the mouth of the Saint John River on the North Shore of the Bay of Fundy, is open to navigation the year round and is served by both the Canadian Pacific and the Canadian National railways. It is accessible from the sea by a main channel 600 feet wide with a minimum depth of 30 feet at extreme low tide. Here the Board operates 10 main wharves and piers having some 13,755 linear feet of berthing with available drafts alongside varying from 25 to 35 feet at extreme low water, and 18 transit sheds, including frost-proof areas in three sheds, with an aggregate floor space of about 868,000 square feet, all with rail connections. The Board's grain elevator, on the west side of the harbour, has a storage capacity of 1,500,000 bushels, and is connected to nine of the berths by over two miles of conveyor galleries with a shipping capacity of 60,000 bushels per hour. Two locomotive cranes and 15-ton and 65-ton floating cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	1,645	2,337,215
1948.....	1,655	2,366,364
1947.....	1,593	2,341,455
1946.....	1,551	2,129,154
1945.....	1,496	2,320,772
<i>Departures—</i>		
1949.....	1,652	2,383,130
1948.....	1,639	2,372,140
1947.....	1,602	2,393,916
1946.....	1,533	2,095,997
1945.....	1,501	2,327,090

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparison for 1948.

	1949		1948	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	542	1,621,354	546	1,679,887
Coastal or inland commercial (including fishery).....	1,070	708,699	1,062	678,378
Other.....	33	7,162	47	8,099
Total.....	1,645	2,337,215	1,655	2,366,364
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	552	1,669,133	546	1,690,476
Coastal or inland commercial (including fishery).....	1,067	706,835	1,048	674,305
Other.....	33	7,162	45	7,359
Total.....	1,652	2,383,130	1,639	2,372,140

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949.....	605,087	1,363,558	1,968,645
1948.....	590,021	1,622,886	2,212,907
1947.....	516,200	2,014,997	2,531,197
1946.....	547,804	1,777,285	2,325,089
1945.....	606,586	2,721,266	3,327,852
<i>Domestic—</i>			
1949.....	347,762	99,488	447,250
1948.....	453,046	81,020	534,066
1947.....	392,876	89,633	482,509
1946.....	425,973	91,626	517,599
1945.....	442,756	79,743	522,499
<i>Total—</i>			
1949.....	952,849	1,463,046	2,415,895
1948.....	1,043,067	1,703,906	2,746,973
1947.....	909,076	2,104,630	3,013,706
1946.....	973,777	1,868,911	2,842,688
1945.....	1,049,342	2,801,009	3,850,351

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparison for 1948.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....		416,384	416,384	333,275
Sugar, raw.....	202,147	456	202,603	212,163
Gasoline.....	149,888	17,764	167,652	128,128
Flour, wheat.....		167,454	167,454	307,729
Petroleum Oil, fuel.....	108,776	8,506	117,282	101,320
Potatoes.....		86,294	86,294	47,904
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	447	85,009	85,456	125,345
Lumber (Planks, Boards and Flooring) and Square Timber.....	2,026	78,758	80,784	82,134
Motor Vehicles and Parts.....	47,957	30,022	77,979	48,665
Fertilizers and Fertilizer Materials.....	75,438	1,642	77,080	62,790
Paper, newsprint.....		70,174	70,174	53,361
Coal, bituminous.....	53,175	231	53,406	168,312
Wood-pulp.....	113	42,647	42,760	44,210
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	846	37,254	38,100	58,767
Petroleum Oil, crude.....	33,406	16	33,422	36,223

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Ferro-alloys.....		22,540	22,540	25,674
Railway Equipment not otherwise specified.....	24	21,434	21,458	31
Meats, canned, cured, prepared or preserved.....	37	20,147	20,184	50,150
Coal, anthracite.....	19,566	154	19,720	20,215
Iron or Steel, scrap.....	19,510		19,510	59,864
Iron or Steel Manufactures not otherwise specified.....	15,243	2,565	17,808	8,007
Zinc Spelter.....	3	17,289	17,292	15,674
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....		16,734	16,734	21,831
Asbestos and Asbestos Manufactures.....	975	15,381	16,356	18,014
Glass and Glass Manufactures.....	15,278	390	15,668	14,523
Grain Products (Mill Products except Wheat Flour).....		15,163	15,163	65,926
Machinery and Parts (except agricultural).....	8,313	6,528	14,841	23,317
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	10,600	3,415	14,015	9,941
Eggs, in shell.....		13,754	13,754	41,907
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....	85	13,110	13,195	12,269
Dry Goods not otherwise specified.....	12,291	397	12,688	10,085
Tea.....	10,838	623	11,461	9,565
Lead and Lead Manufactures.....	12	11,011	11,023	10,426
Pulpwood.....		10,647	10,647	10,914
All Goods not otherwise specified.....	165,855	229,153	395,008	508,314
Total.....	952,849	1,463,046	2,415,895	2,746,973

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1949, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1949.....	862	3,763	4,625
1948.....	984	1,788	2,772
1947.....	712	860	1,572
1946.....	706	540	1,246
1945.....	298	301	599
<i>Coastwise—</i>			
1949.....	51,481	49,021	100,502
1948.....	53,273	51,142	104,415
1947.....	49,663	46,165	95,828
1946.....	57,537	54,905	112,442
1945.....	93,111	83,431	176,542
<i>Total—</i>			
1949.....	52,343	52,784	105,127
1948.....	54,257	52,930	107,187
1947.....	50,375	47,025	97,400
1946.....	58,243	55,445	113,688
1945.....	93,409	83,732	177,141

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....		14,024,281	14,024,281
1948.....		12,333,841	12,333,841
1947.....		13,596,926	13,596,926
1946.....		15,924,932	15,924,932
1945.....		29,378,627	29,378,627
<i>Via rail—</i>			
1949.....	14,634,883	295,385	14,930,268
1948.....	12,555,428	139,397	12,694,825
1947.....	13,417,203	162,479	13,579,682
1946.....	15,150,627	225,236	15,375,863
1945.....	29,608,084	251,808	29,859,892
<i>Via other—</i>			
1949.....			
1948.....			
1947.....		109	109
1946.....		144	144
1945.....		233	233
<i>Total—</i>			
1949.....	14,634,883	14,319,666	28,954,549
1948.....	12,555,428	12,473,238	25,028,666
1947.....	13,417,203	13,759,514	27,176,717
1946.....	15,150,627	16,150,312	31,300,939
1945.....	29,608,084	29,630,668	59,238,752

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$220,624. The main items were dredging one slip and the central areas of three other slips to a minimum depth of 30 ft. below extreme low tide, dredging one berth to a minimum depth of 28 ft. and another berth to a minimum depth of 12 ft., repairs to the substructure of berths 9 and 10, refacing concrete wharves at berths 13 and 14, repairs to South Market wharf, painting interior frame of shed 5, repairs to roofs of sheds 5 and 6, repairs to grain gallery 56, replacement of two receiving elevator lofter casings, and painting grain galleries 5, 6, 7 and 56.

CAPITAL WORKS

Capital expenditure, part of which was provided from replacement fund, amounted to \$1,520,057. The items covered thereby were:

Reconstruction of McLeod-Pettingill Wharf and Shed (now Pugsley Wharf).—In 1948 a contract was awarded to the Saint John Dry Dock Company, Limited, for the reconstruction of McLeod-Pettingill wharf and shed, with grain conveyor gallery and gantry grain loader overhead. Approximately 50 per cent of the work was completed in 1948. This work was continued in 1949 and at the end of the year the construction of the wharf and shed was approximately 98 per cent completed and the grain gallery approximately 66 per cent completed.

Minor Items.—The construction of longshoremen's rest rooms at berth 4 and at the Broad street wharf, started in 1948, was completed in 1949.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$715,423, as compared with \$805,364 in 1948, the decrease being \$89,941. Operating and maintenance expenses showed an increase of \$28,797, the comparable figures being \$501,162 for 1949 and \$472,365 for 1948.

After taking into account income debits and credits, paying interest amounting to \$34,706 on debt to the public, and charging reserve for replacements and interest due the Government, there was a net income deficit of \$529,275, as against a deficit of \$389,149 in 1948.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—

Harbour General			
Harbour Dues.....	\$	15,538 25	
Miscellaneous.....		19,599 18	
		<hr/>	\$ 35,137 43
Wharves and Piers			
Top Wharfage.....		413,604 14	
Dockage.....		144,345 61	
Miscellaneous.....		84 57	
		<hr/>	558,034 32
Permanent Sheds			
Shed Rentals.....		22,505 70	
Storage.....		13,776 75	
Miscellaneous.....		102 36	
		<hr/>	36,384 81
Railway System.....			32 50
Grain Elevator System			
Receipts from joint operation.....		42,319 15	
Miscellaneous—Outsiders.....		43,514 36	
		<hr/>	\$ 715,422 57

OPERATING EXPENSES—

Administration.....		71,156 74	
Operation and Maintenance			
Harbour Dredging.....		85,591 56	
Harbour General.....		77,539 85	
Vehicular Bridges.....		880 07	
Roads, Fences and Boundaries.....		4,961 82	
Sewers and Drains.....		1,698 63	
Wharves and Piers.....		70,770 02	
Permanent Sheds.....		113,618 77	
Grain Elevator System.....		19,999 99	
Miscellaneous—Outsiders.....		54,945 03	
		<hr/>	430,005 74
			501,162 43

Operating Income..... 214,260 09

INCOME RECEIVED FROM RESERVE FUNDS..... 96,713 31

MISCELLANEOUS INCOME CREDITS..... 6,763 07

103,476 38

Total Income..... 317,736 47

MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	96,713 31	
Miscellaneous Income Charges.....	20 88	
	<hr/>	96,734 19

Income Available for Interest due Public..... 221,002 28

INTEREST ON DEBT TO THE PUBLIC..... 34,705 76

186,296 52

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	200,000 00	
Interest due Dominion Government.....	515,571 41	
	<hr/>	715,571 41

Net Income Deficit..... \$ 529,274 89

Harbour of Saint John

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS

FIXED—	
Harbour Dredging.....	\$ 955,090 54
Real Estate.....	1,766,457 64
Vehicular Bridges.....	30,107 37
Roads, Fences and Boundaries.....	150,969 66
Wharves and Piers.....	14,480,879 64
Permanent Sheds.....	2,488,923 93
Railway System.....	2,192,680 57
Grain Elevator System.....	3,986,394 03
Office Furniture and Appliances.....	9,315 80
Harbour Buildings.....	51,378 07
Central Heating Plants.....	57,182 39
Water Supply System.....	14,315 67
Floating Equipment.....	201,999 68
Shore Equipment.....	112,483 55
Miscellaneous Small Plant.....	14,055 27
Works under Construction.....	2,980,972 37
	<u>\$27,493,196 18</u>
CURRENT—	
Cash—Receiver General of Canada.....	\$ 225,411 70
Cash—on Hand.....	242 88
	<u>225,654 58</u>
Accounts Receivable.....	61,007 64
Less—Reserve for Bad Debts.....	180 18
	<u>60,827 46</u>
Advances due on Capital Account.....	4,277 06
Stores on Hand.....	24,762 68
Accrued Revenue.....	17,978 06
	<u>333,499 84</u>
SECURITY DEPOSITS.....	<u>280,449 00</u>
	<u>3,304,663 19</u>
REPLACEMENT FUND.....	<u>168,252 49</u>
FIRE AND GENERAL INSURANCE FUND.....	<u>265 59</u>
PREPAID CHARGES.....	<u>1,475 61</u>
DEFERRED DEBITS.....	<u>\$31,581,801 90</u>

LIABILITIES

DEBTURE INDEBTEDNESS TO PUBLIC.....	<u>\$ 671,282 35</u>
DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$20,088,284 16
Expenditure under Appropriations.....	6,649,054 90
Government Loans applied for—contra.....	4,277 06
	<u>26,741,616 12</u>
Accounts payable, construction.....	96,323 74
Contractors' Holdbacks, construction.....	281,504 46
	<u>11,479 91</u>
CURRENT—	
Accounts Payable.....	4,657 87
Salaries, Wages Payable.....	
Matured Interest Unpaid—	
Due Public.....	\$ 418 39
Due Dominion Government.....	4,540,095 41
	<u>4,540,513 80</u>
Accrued Interest due Public.....	13,944 82
	<u>4,570,596 40</u>
CONTRACTORS' SECURITY DEPOSITS.....	<u>280,449 00</u>
RESERVES—	
Replacement.....	3,305,368 15
Fire and General Insurance.....	168,252 49
	<u>3,473,620 64</u>
DEFERRED CREDITS.....	<u>7,131 35</u>
	<u>36,122,524 06</u>
SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1948.....	4,011,447 27
Net Income Deficit for 1949.....	529,274 89
	<u>4,540,722 16</u>
	<u>\$31,581,801 90</u>

HARBOUR OF CHICOUTIMI

The harbour of Chicoutimi is situated on the Saguenay River about 75 miles from its mouth. The Saguenay flows into the St. Lawrence River at a point 120 miles below Quebec. The facilities operated by the Board include 2,500 linear feet of wharf allowing ships of 26 feet draft, a concrete fire proof shed, 400 feet by 60 feet, a frame shed, 150 feet by 40 feet, and about 8,500 feet of standard gauge railway tracks connecting with the Canadian National Railways.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	198	131,023
1948.....	181	154,433
1947.....	142	122,571
1946.....	133	81,365
1945.....	97	66,271
<i>Departures—</i>		
1949.....	198	131,023
1948.....	181	154,433
1947.....	141	122,566
1946.....	132	81,360
1945.....	96	66,195

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparison for 1948.

	1949		1948	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	21	33,302	36	59,708
Coastal or inland commercial (including fishery).....	143	96,007	110	92,651
Other.....	34	1,714	35	2,074
Total.....	198	131,023	181	154,433
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	21	33,302	36	59,708
Coastal or inland commercial (including fishery).....	143	96,007	110	92,651
Other.....	34	1,714	35	2,074
Total.....	198	131,023	181	154,433

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949.....	23,236		23,236
1948.....	35,837		35,837
1947.....	50,240		50,240
1946.....	43,552		43,552
1945.....	38,107		38,107
<i>Domestic—</i>			
1949.....	128,401	3,953	132,354
1948.....	188,271	1,762	190,033
1947.....	131,806	2,386	134,192
1946.....	18,879	481	19,360
1945.....	14,005	1,993	15,998
<i>Total—</i>			
1949.....	151,637	3,953	155,590
1948.....	224,108	1,762	225,870
1947.....	182,046	2,386	184,432
1946.....	62,431	481	62,912
1945.....	52,112	1,993	54,105

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparison for 1948.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	85,242		85,242	173,485
Gasoline.....	26,601	4	26,605	20,295
Petroleum Oil, fuel.....	13,640	6	13,646	7,630
Coal, anthracite.....	9,197		9,197	11,214
Beverages, alcoholic.....	5,508		5,508	
Sulphur.....	5,430		5,430	5,099
Lumber (Planks, Boards and Flooring) and Square Timber.....	1,045	2,640	3,685	1,968
Potatoes.....	652	38	690	285
Molasses.....	259		259	1,042
All Goods not otherwise specified.....	4,063	1,265	5,328	4,314
Total.....	151,637	3,953	155,590	225,870

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1949, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1949.....			
1948.....			
1947.....			
1946.....			
1945.....			
<i>Coastwise—</i>			
1949.....	7,129	7,129	14,258
1948.....	6,125	6,501	12,626
1947.....	5,775	5,779	11,554
1946.....	6,117	6,118	12,235
1945.....	5,098	5,102	10,200
<i>Total—</i>			
1949.....	7,129	7,129	14,258
1948.....	6,125	6,501	12,626
1947.....	5,775	5,779	11,554
1946.....	6,117	6,118	12,235
1945.....	5,098	5,102	10,200

(Exclusive of armed forces and prisoners of war)

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$6,656, consisting of general maintenance of wharves, railway tracks, roads and water system.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$58,385, as compared with \$50,310 in 1948. Expenses of operation and maintenance were \$19,440, the corresponding figure in 1948 being \$20,512.

After charging reserve for replacements and interest on debt to the Government, there was a net income deficit of \$98,891, as compared with a deficit of \$105,514 in 1948.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$ 539 64	
Miscellaneous.....	265 00	
	<u> </u>	\$ 804 64

Wharves and Piers

Top wharfage.....	18,790 63	
Dockage.....	2,558 22	
Miscellaneous.....	30,768 01	
	<u> </u>	52,116 86

Permanent Sheds

Shed Rentals.....	1,720 00	
Storage.....	3,165 62	
	<u> </u>	4,885 62

Miscellaneous—Outsiders.....	578 35	
	<u> </u>	58,385 47

OPERATING EXPENSES—

Administration.....	8,937 14	
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Operation and Maintenance—

Harbour General.....	2,693 02	
Roads, Fences and Boundaries.....	289 10	
Wharves and Piers.....	4,107 60	
Permanent Sheds.....	948 66	
Railway System.....	2,083 87	
Miscellaneous—Outsiders.....	380 55	
	<u> </u>	10,502 80
		<u> </u>
		19,439 94

Operating Income.....	38,945 53
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INCOME RECEIVED FROM RESERVE FUNDS.....	4,047 33
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Total Income.....	42,992 86
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MISCELLANEOUS DEDUCTIONS FROM INCOME—

Income received from Reserve Funds transferred to Reserves.....	4,047 33	
Miscellaneous Income Charges.....	3,017 29	
	<u> </u>	7,064 62
		<u> </u>
		35,928 24

OTHER INCOME REQUIREMENTS—

Reserve for Replacements.....	30,000 00	
Interest due Dominion Government.....	104,819 10	
	<u> </u>	134,819 10

Net Income <i>Deficit</i>	\$ 98,890 86
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Harbour of Chicoutimi

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 445,827 58	Loans and Advances (Interest bearing).....	\$ 3,811,603 58
Real Estate.....	35,625 67	Expenditure under Appropriations.....	459,398 32
Roads, Fences and Boundaries.....	115,905 96		<u>\$ 4,271,001 90</u>
Sewers and Drains.....	165,653 09		
Wharves and Piers.....	3,257,200 29		
Permanent Sheds.....	124,083 29		
Railway System.....	38,599 51		
Office Furniture and Appliances.....	2,152 30		
Electric Power System.....	3,915 37	CURRENT—	
Water Supply System.....	16,759 19	Accounts Payable.....	180 93
Floating Equipment.....	5,502 25	Matured Interest due Dominion Government..	1,687,140 92
Shore Equipment.....	39 48		<u>1,687,321 85</u>
Miscellaneous Small Plant.....	120 23		
Engineering—General Surveys.....	18,375 66		
	<u>\$ 4,229,750 87</u>	RESERVES—	
		Replacement.....	415,546 66
		Fire and General Insurance.....	12,978 17
			<u>428,524 83</u>
CURRENT—			
Cash—Receiver General of Canada.\$ 14,973 33		DEFERRED CREDITS.....	<u>2,474 13</u>
Cash—On Hand.....	2,540 28		<u>6,389,322 71</u>
Accounts Receivable.....	17,513 61		
Stores on Hand.....	2,103 55		
	<u>3,246 77</u>		
REPLACEMENT FUND.....	<u>22,863 93</u>		
	<u>172,546 66</u>		
FIRE AND GENERAL INSURANCE FUND.....	<u>12,978 17</u>	SURPLUS AND DEFICIT ACCOUNT—	
		Deficit as at December 31, 1948.....	1,851,700 12
		Net Income Deficit for 1949.....	98,890 86
			<u>1,950,590 98</u>
PREFPAID CHARGES.....	<u>583 10</u>		
	<u>\$ 4,438,731 73</u>		<u>\$ 4,438,731 73</u>

HARBOUR OF QUEBEC

The harbour of Quebec is situated at the confluence of the St. Lawrence and St. Charles rivers about 160 miles below Montreal. It is open to ocean navigation for about 8 months in the year. The facilities operated by the Board include 4 main piers and wharves having 20,425 linear feet of berthing, 10 transit sheds with a total floor area of 743,642 square feet, 23 miles of standard gauge terminal railway, connected with both Canadian railways, a grain elevator with a capacity of 4,000,000 bushels and 2,000 linear feet of shipping galleries with a loading capacity of 90,000 bushels per hour, 3 marine towers for unloading boats, also a modern cold storage warehouse with a capacity of 500,000 cubic feet, and a fish house with a capacity of 1,000,000 pounds, a floating crane of 75 tons capacity and 3 locomotive cranes with capacity up to 38 tons.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	4,203	4,178,588
1948.....	4,320	3,702,612
1947.....	4,191	2,902,654
1946.....	3,872	2,470,154
1945.....	3,840	2,816,194
<i>Departures—</i>		
1949.....	4,197	4,178,427
1948.....	4,311	3,695,640
1947.....	4,179	2,909,884
1946.....	3,884	2,472,624
1945.....	3,841	2,823,429

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparison for 1948.

	1949		1948	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	410	1,980,917	353	1,495,231
Coastal or inland commercial (including fishery).....	3,651	2,173,563	3,724	2,184,437
Other.....	142	24,108	243	22,944
Total.....	4,203	4,178,588	4,320	3,702,612
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	410	1,980,184	356	1,502,710
Coastal or inland commercial (including fishery).....	3,643	2,173,970	3,708	2,169,505
Other.....	144	24,273	247	23,425
Total.....	4,197	4,178,427	4,311	3,695,640

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949.....	40,905	316,440	357,345
1948.....	44,644	169,067	213,711
1947.....	24,594	183,730	208,324
1946.....	35,550	237,330	272,880
1945.....	106,274	544,280	650,554
<i>Domestic—</i>			
1949.....	1,468,260	49,746	1,518,006
1948.....	1,579,244	57,415	1,636,659
1947.....	1,507,565	139,129	1,646,694
1946.....	1,123,334	144,545	1,267,879
1945.....	1,078,574	170,331	1,248,905
<i>Total—</i>			
1949.....	1,509,165	366,186	1,875,351
1948.....	1,623,888	226,482	1,850,370
1947.....	1,532,159	322,859	1,855,018
1946.....	1,158,884	381,875	1,540,759
1945.....	1,184,848	714,611	1,899,459

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparison for 1948.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Coal, bituminous.....	419,201	245	419,446	567,381
Pulpwood.....	410,019	.....	410,019	485,024
Petroleum Oil, fuel.....	254,001	631	254,632	227,381
Grain.....	77,753	176,054	253,807	5,386
Gasoline.....	195,174	63	195,237	188,450
Cement, common or portland.....	56,632	517	57,149	57,593
Asbestos and Asbestos Manufactures.....	.....	39,965	39,965	38,652
Coal, anthracite.....	36,385	.....	36,385	21,937
Flour, wheat.....	3,237	27,227	30,464	15,465
Paper, newsprint.....	455	24,691	25,146	22,346
Ores and Concentrates not otherwise specified.....	.....	19,834	19,834	423
Lumber (Planks, Boards and Flooring) and Square Timber.....	3,997	12,732	16,729	20,759
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	1,110	14,434	15,544	65,587
Wood-pulp.....	2,753	12,206	14,959	19,986
Sulphur.....	14,082	.....	14,082	19,726
Fertilizers and Fertilizer Materials.....	3,971	4,270	8,241	11,300
Sugar, raw.....	5,018	5	5,023	795
Meats, chilled, fresh or frozen.....	54	4,360	4,414	.....
Food-stuffs, canned or preserved, not otherwise specified.....	1,771	2,520	4,291	9,116
Molasses.....	3,592	283	3,875	9,570
Grain Products (Mill Products except Wheat Flour).. Beverages, alcoholic.....	896	2,624	3,520	8,077
Lard and Lard Substitutes.....	1,710	675	2,385	2,969
Glass and Glass Manufactures.....	49	2,215	2,264	.....
Rock and Stone.....	1,633	120	1,753	.....
All Goods not otherwise specified.....	1,069	.....	1,069	.....
	14,603	20,515	35,118	52,447
Total.....	1,509,165	366,186	1,875,351	1,850,370

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1949, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1949.....	24,802	11,403	36,205
1948.....	18,660	377	19,037
1947.....	199	56	255
1946.....	20	19	39
1945.....	135	1,586	1,721
<i>Coastwise—</i>			
1949.....	26,859	23,892	50,751
1948.....	51,299	38,193	89,492
1947.....	37,872	33,007	70,879
1946.....	45,136	33,231	78,367
1945.....	49,776	47,263	97,039
<i>Total—</i>			
1949.....	51,661	35,295	86,956
1948.....	69,959	38,570	108,529
1947.....	38,071	33,063	71,134
1946.....	45,156	33,250	78,406
1945.....	49,911	48,849	98,760

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....	2,917,268	6,191,310	9,108,578
1948.....	129,966		129,966
1947.....			
1946.....	939,578	2,235,237	3,174,815
1945.....	526,209	13,611,445	14,137,654
<i>Via rail—</i>			
1949.....	5,996,993	632,653	6,629,646
1948.....	661,668	100,939	762,607
1947.....	425,122	34,778	459,900
1946.....	1,629,813	715,697	2,345,510
1945.....	13,358,498	1,408,406	14,766,904
<i>Via other—</i>			
1949.....	1,329	618,759	620,088
1948.....	1,452	658,698	660,150
1947.....	23,451	349,547	372,998
1946.....	25,834	766,601	792,435
1945.....	27,570	587,319	614,889
<i>Total—</i>			
1949.....	8,915,590	7,442,722	16,358,312
1948.....	793,086	759,637	1,552,723
1947.....	448,573	384,325	832,898
1946.....	2,595,225	3,717,535	6,312,760
1945.....	13,912,277	15,607,170	29,519,447

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1949, with comparison for 1948.

	1949	1948
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	9,507	8,010
Non-revenue cars.....	7,937	9,014
Total.....	17,444	17,024
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	8,698	9,817
Non-revenue cars.....	8,725	7,086
Total.....	17,423	16,903
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....		
Non-revenue cars.....		
Total.....		
<i>Switched locally—</i>		
Revenue cars.....	487	586
Non-revenue cars.....	487	586
Total.....	974	1,172
<i>Total—</i>		
Revenue cars.....	18,692	18,413
Non-revenue cars.....	17,149	16,686
Total.....	35,841	35,099

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$229,463. The main items were renewal of face timbers, cross ties and fixed fenders at berth no. 1, the fish house wharf and Sillery wharf, renewal of decking of derrick scow no. 70, painting a portion of the grain galleries, renewal of cork insulation in four rooms of the cold storage warehouse and general maintenance of all other facilities.

CAPITAL WORKS

Capital expenditure, part of which was provided from replacement fund, amounted to \$628,006. The main items were:—

Strengthening of Wharf No. 20.—A contract was awarded in March to the Foundation Company of Canada, Ltd., for the strengthening of an 830 ft. length of wharf at berth 20. This work consisted of the construction of a reinforced concrete cope wall along the face of the existing timber wharf. The new wall is supported on two rows of concrete piles and tied back by means of anchor rods. The work was completed during the year.

Reconstruction of Quay Wall at Shed 29.—In June a contract was awarded to J. A. Auclair for strengthening wharf no. 29, approximately 1,000 ft. in length, by means of concrete blocks poured in the existing timber crib pockets and tied back by anchor rods. At the end of the year the work was approximately 45 per cent completed.

Minor Items.—These consisted of the purchase and installation of three transformers for the substation at Wolfe's Cove and small expenditures on the installation of a new switchboard for electric power distribution and the replacement of carpenter and machine shops.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$871,022, as compared with \$684,128 in 1948, the increase being \$186,894. Operating and maintenance expenses were \$813,289, as compared with \$833,283 in 1948, the decrease being \$19,994.

On the year's operations, there was a surplus, before capital charges, of \$48,288, as compared with a deficiency of \$156,401 in 1948. Increased grain traffic was an important factor in improving the financial returns.

Net income deficit, after all charges, was \$917,206, the corresponding figure for the previous year being \$1,121,532.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—

Harbour General		
Harbour Dues.....	\$ 16,928 75	
Miscellaneous.....	48,429 85	
	<hr/>	\$ 65,358 60
Wharves and Piers		
Top Wharfage.....	142,752 10	
Dockage.....	60,307 51	
Miscellaneous.....	53,498 42	
	<hr/>	256,558 03
Permanent Sheds		
Shed Rentals.....	18,211 90	
Storage.....	13,055 52	
	<hr/>	31,267 42
Railway System.....		88,816 21
Grain Elevator System		
Elevation.....	112,441 27	
Storage.....	95,808 63	
Miscellaneous.....	33,998 67	
	<hr/>	242,248 57
Cold Storage System		
Storage.....	112,278 31	
Miscellaneous.....	14,107 24	
	<hr/>	126,385 55
Miscellaneous—Outsiders.....		60,387 85
	<hr/>	\$ 871,022 23

OPERATING EXPENSES—

Administration.....		121,979 85
Operation and Maintenance		
Harbour Dredging.....	671 58	
Harbour General.....	116,121 24	
Vehicular Bridges.....	5,723 09	
Roads, Fences and Boundaries.....	4,031 37	
Sewers and Drains.....	2,621 47	
Wharves and Piers.....	77,213 53	
Permanent Sheds.....	34,390 31	
Railway System.....	132,250 43	
Grain Elevator System.....	162,863 68	
Cold Storage System.....	111,796 27	
Miscellaneous—Outsiders.....	43,625 94	
	<hr/>	691,308 91
		<hr/>
Operating Income.....		813,288 76
		<hr/>
Income received from Reserve Funds.....	23,135 81	57,733 47
MISCELLANEOUS INCOME CREDITS.....	3,174 79	
	<hr/>	26,310 60
		<hr/>
Total Income.....		84,044 07

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	23,135 81	
Reserve for Bad Debts.....	184 69	
Miscellaneous Income Charges.....	12,435 97	
	<hr/>	35,756 47

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	200,000 00	48,287 60
Interest due Dominion Government.....	765,493 34	
	<hr/>	965,493 34

Net Income Deficit.....\$ 917,205 74

HARBOUR OF THREE RIVERS

The harbour of Three Rivers is situated at the confluence of the St. Lawrence and St. Maurice rivers, about 81 miles below Montreal. It is open to navigation for about $7\frac{1}{2}$ months in the year. The facilities operated by the Board include three main wharves having some 7,650 linear feet of berthing with a minimum water depth of 30 feet alongside and nine transit sheds with a total floor area of about 192,000 square feet.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	2,200	2,241,825
1948.....	2,243	2,258,358
1947.....	2,217	1,713,516
1946.....	2,073	1,796,200
1945.....	1,973	2,243,566
<i>Departures—</i>		
1949.....	2,192	2,241,371
1948.....	2,243	2,258,358
1947.....	2,217	1,713,516
1946.....	2,073	1,796,200
1945.....	1,973	2,243,566

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparison for 1948.

	1949		1948	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	168	567,337	156	534,286
Coastal or inland commercial (including fishery)....	1,997	1,654,474	2,021	1,706,731
Other.....	35	20,014	66	17,341
Total.....	2,200	2,241,825	2,243	2,258,358
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	168	567,337	156	534,286
Coastal or inland commercial (including fishery)....	1,989	1,654,020	2,021	1,706,731
Other.....	35	20,014	66	17,341
Total.....	2,192	2,241,371	2,243	2,258,358

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949	120,936	343,468	464,404
1948	350,995	349,585	700,580
1947	340,025	563,515	903,540
1946	294,898	466,358	761,256
1945	329,534	871,455	1,200,989
<i>Domestic—</i>			
1949	1,807,043	5,565	1,812,608
1948	1,858,889	8,541	1,867,430
1947	1,692,310	12,279	1,704,589
1946	1,132,324	8,944	1,141,268
1945	1,282,174	9,679	1,291,853
<i>Total—</i>			
1949	1,927,979	349,033	2,277,012
1948	2,209,884	358,126	2,568,010
1947	2,032,335	575,794	2,608,129
1946	1,427,222	475,302	1,902,524
1945	1,611,708	881,134	2,492,842

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparison for 1948.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Pulpwood.....	1,125,540	.....	1,125,540	1,394,779
Grain.....	270,450	222,276	492,726	439,058
Coal, bituminous.....	365,784	.....	365,784	511,916
Paper, newsprint.....	.....	104,578	104,578	84,420
Petroleum Oil, fuel.....	82,584	69	82,653	15,610
Gasoline.....	25,516	.....	25,516	23,704
Sulphur.....	22,627	.....	22,627	26,890
Lumber (Planks, Boards and Flooring) and Square Timber.....	11,961	1,584	13,545	13,829
Clay.....	10,156	.....	10,156	5,334
Calcium Carbide.....	.....	5,194	5,194	3,692
Aluminum Manufactures not otherwise specified.....	.....	4,119	4,119	4,753
Pulpboard (except Wallboard).....	.....	1,087	1,087	.....
Molasses.....	1,039	.....	1,039	1,904
Milk, condensed, evaporated or powdered.....	.....	564	564	626
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	.....	551	551	.....
Acetic Acid.....	.....	542	542	629
Flour, wheat.....	525	15	540	.....
All Goods not otherwise specified.....	11,797	8,454	20,251	40,866
TOTAL.....	1,927,979	349,033	2,277,012	2,568,010

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....	9,029,636	7,415,195	16,444,831
1948.....	6,408,216	8,238,337	14,646,553
1947.....	10,945,323	12,566,357	23,511,680
1946.....	3,057,387	6,793,063	9,850,450
1945.....	15,305,216	22,508,020	37,813,236
<i>Via rail—</i>			
1949.....	1,994	1,000	2,994
1948.....	1,825,912	3,000	1,828,912
1947.....	1,870,237	.....	1,870,237
1946.....	1,835,311	24,000	1,859,311
1945.....	4,365,538	379,000	4,744,538
<i>Via other—</i>			
1949.....	.....	7,610	7,610
1948.....	.....	40,092	40,092
1947.....	.....	160,765	160,765
1946.....	.....	62,674	62,674
1945.....	.....	51,133	51,133
<i>Total—</i>			
1949.....	9,031,630	7,423,805	16,455,435
1948.....	8,234,128	8,281,429	16,515,557
1947.....	12,815,560	12,727,122	25,542,682
1946.....	4,892,698	6,879,737	11,772,435
1945.....	19,670,754	22,938,153	42,608,907

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$19,786. The principal items were renewals and repairs to the harbour lighting system, repairs to the approach to Ste. Angele de Laval wharf, sweeping the basin, resurfacing roadway at section 15 and hydrant repairs.

CAPITAL WORKS

Expenditure on capital account during the year amounted to \$2,163 for engineering surveys.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$213,745, as compared with \$219,712 in 1948, a decrease of \$5,967. Operating and maintenance expenses were \$45,194 as against \$43,265 in 1948, an increase of \$1,929.

After charging interest and reserve for replacements, there was a net income deficit of \$11,446. In 1948, there was a deficit of \$3,367.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$ 7,313 57	
Miscellaneous.....	1,058 66	
	<u>\$</u>	8,372 23

Wharves and Piers

Top Wharfage.....	84,956 30	
Dockage.....	22,248 82	
Miscellaneous.....	41,017 98	
	<u></u>	148,223 10

Permanent Sheds

Shed Rentals.....	54,831 75	
Miscellaneous—Outsiders.....	2,318 38	
	<u></u>	213,745 46

OPERATING EXPENSES

Administration.....	19,780 36
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Operation and Maintenance

Harbour Dredging.....	1,600 00	
Harbour General.....	12,077 16	
Roads, Fences and Boundaries.....	2,465 26	
Wharves and Piers.....	5,732 85	
Permanent Sheds.....	2,940 45	
Miscellaneous—Outsiders.....	598 00	
	<u></u>	25,413 72
		<u>45,194 08</u>

Operating Income.....	168,551 38
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INCOME RECEIVED FROM RESERVE FUNDS.....	35,141 77
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Total Income.....	203,693 15
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserve.....	35,141 77	
Reserve for Bad Debts.....	200 00	
Miscellaneous Income Charges.....	204 81	
	<u></u>	35,546 58

168,146 57

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	70,000 00	
Interest due Dominion Government.....	109,592 85	
	<u></u>	179,592 85

Net Income Deficit.....	\$ 11,446 28
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Harbour of Three Rivers

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 1,204,777 00	Loans and Advances (Interest bearing).....	\$ 3,985,559 39
Roads, Fences and Boundaries.....	60,354 26	Expenditure under Appropriations.....	590,857 27
Miscellaneous Structures.....	1,281 16	Government Loans applied for.....	1,797 00
Wharves and Piers.....	5,780,047 59		<u>\$ 4,578,213 66</u>
Permanent Sheds.....	791,660 07		
Railway System.....	26,611 43		
Office Furniture and Appliances.....	1,262 26		
Electric Power System.....	14,880 15	CURRENT—	
Water Supply System.....	10,894 44	Accounts Payable.....	639 80
Shore Equipment.....	1,201 41	Matured Interest Unpaid—	
Miscellaneous—Small Plant.....	213 20	Due Dominion Government.....	263,355 45
Works under Construction.....	2,163 00		<u>263,995 25</u>
	<u>\$ 7,895,325 97</u>		
CURRENT—		RESERVES—	
Cash—Receiver General of Canada.....	\$ 23,667 29	Replacement.....	1,272,422 14
Cash—On Hand.....	495 72	Fire and General Insurance.....	38,891 49
	<u>24,163 01</u>		<u>1,311,313 63</u>
Accounts Receivable.....	6,249 67		
Less—Reserve for Bad Debts.....	<u>2,600 00</u>	DEFERRED CREDITS.....	<u>25,774 40</u>
Stores on Hand.....	3,649 67		<u>6,179,296 94</u>
Advances due on Capital Account.....	<u>1,797 00</u>		
	<u>31,006 72</u>	SURPLUS AND DEFICIT ACCOUNT—	
REPLACEMENT FUND.....	1,272,378 82	Surplus as at December 31, 1948.....	3,070,218 63
FIRE AND GENERAL INSURANCE FUND.....	38,891 49	Net Income Deficit for 1949.....	<u>11,446 28</u>
PREPAID CHARGES.....	40 29		<u>3,058,772 35</u>
DEFERRED DEBITS.....	<u>426 00</u>		<u>\$ 9,238,069 29</u>
	<u>\$ 9,238,069 29</u>		

HARBOUR OF MONTREAL

The harbour of Montreal is situated on the St. Lawrence River approximately 1,000 miles inland from the Atlantic coast. The ship channel, of which approximately 100 miles is dredged channel, provides a minimum depth of 32½ feet. The harbour is served by both Canadian railways connected to the harbour front by 61 miles of terminal railway operated by the National Harbours Board. The harbour is open to navigation from about the middle of April to the beginning of December of each year. The Board operates main piers, wharves and jetties providing 105 berths, totalling about 10 miles of berthing accommodation; 27 transit sheds, with an aggregate floor area of over 2,134,500 square feet; also 4 grain elevators, with a total storage capacity of over 15,000,000 bushels, and 3½ miles of grain conveyor galleries; and a cold storage warehouse, with a capacity of 2,909,210 cubic feet. A 75-ton capacity floating crane and 10 locomotive cranes are available.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	4,480	7,637,311
1948.....	3,667	6,627,056
1947.....	3,433	5,948,537
1946.....	3,193	5,239,076
1945.....	3,295	4,688,742
<i>Departures—</i>		
1949.....	4,493	7,652,848
1948.....	3,661	6,635,831
1947.....	3,434	5,944,018
1946.....	3,208	5,260,474
1945.....	3,284	4,621,510

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparison for 1948.

	1949		1948	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1,112	4,113,327	1,016	3,880,085
Coastal or inland commercial (including fishery).....	3,198	3,502,218	2,539	2,730,493
Other.....	170	21,766	112	16,478
Total.....	4,480	7,637,311	3,667	6,627,056
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1,118	4,121,972	1,021	3,895,344
Coastal or inland commercial (including fishery).....	3,204	3,509,137	2,533	2,725,463
Other.....	171	21,739	107	15,024
Total.....	4,493	7,652,848	3,661	6,635,831

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949.....	4,263,258	4,168,136	8,431,394
1948.....	4,194,095	4,002,652	8,196,747
1947.....	3,681,595	4,660,820	8,342,415
1946.....	2,551,868	4,392,376	6,944,244
1945.....	1,812,369	4,904,744	6,717,113
<i>Domestic—</i>			
1949.....	2,779,010	2,659,742	5,438,752
1948.....	1,814,291	2,127,082	3,441,373
1947.....	641,871	1,823,587	2,465,458
1946.....	853,150	1,301,706	2,154,856
1945.....	1,427,446	864,958	2,292,404
<i>Total—</i>			
1949.....	7,042,268	6,827,878	13,870,146
1948.....	5,508,386	6,129,734	11,638,120
1947.....	4,323,466	6,484,407	10,807,873
1946.....	3,405,018	5,694,082	9,099,100
1945.....	3,239,815	5,769,702	9,009,517

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGE—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparison for 1948.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....	1,995,450	2,535,882	4,531,332	2,276,529
Petroleum Oil, crude.....	1,613,195	242,672	1,855,867	1,713,121
Gasoline.....	462,111	1,235,155	1,697,266	1,342,101
Coal, bituminous.....	939,118	.....	939,118	1,257,444
Petroleum Oil, fuel.....	176,975	757,100	934,075	910,385
Iron Ore.....	220,315	232,866	453,181	255,215
Flour, wheat.....	690	395,159	395,849	588,229
Sugar, raw.....	264,500	10,507	275,007	248,255
Coal, anthracite.....	245,978	7,293	253,271	109,536
Cement, common or portland.....	101,676	110,041	211,717	111,378
Gypsum, crude.....	152,282	21,800	174,082	146,603
Railway Equipment not otherwise specified.....	65	83,520	83,585	29,413
Distillate, lubricating and solvent oils.....	545	82,861	83,406	.....
Motor Vehicles and Parts.....	29,544	49,518	79,062	115,472
Lumber (Planks, Boards and Flooring) and Square Timber.....	6,642	58,038	64,680	66,674
Molasses.....	53,745	3,051	56,796	42,137
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.....	44,958	11,835	56,793	37,983
Copper, refined, in bars, billets, cakes, cathodes, ingots or slabs.....	.....	55,179	55,179	52,999
Phosphate Rock.....	52,617	.....	52,617	28,191
Manganese Ore.....	25,928	23,800	49,728	55,053
Kerosene.....	39,851	9,449	49,300	149,096
Chrome Ore.....	33,229	15,886	49,115	40,336
Ferro-alloys.....	33	48,332	48,365	43,758
Wood-pulp.....	10,292	33,793	44,085	47,117
Nickel and Nickel Manufactures.....	102	37,629	37,731	25,039
Locomotives and Parts.....	207	36,765	36,972	7,994
Glass and Glass Manufactures.....	34,545	2,381	36,926	39,546
Iron or Steel Manufactures not otherwise specified.....	20,265	11,796	32,061	40,751
Dry Goods not otherwise specified.....	27,374	4,538	31,912	41,583
Paper, newsprint.....	8	31,851	31,859	40,926
Milk, condensed, evaporated or powdered.....	70	31,482	31,552	40,124
Machinery and Parts (except agricultural).....	15,460	14,749	30,209	50,992

CARGO TONNAGE—COMMODITIES—*Concluded*

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Cheese.....	563	27,822	28,385	22,514
Iron or Steel Rails and Fastenings.....	11	27,893	27,904	82,259
Asbestos and Asbestos Manufactures.....	4,345	23,238	27,583	26,939
Eggs, in shell.....	1	27,294	27,295	28,962
Beverages, alcoholic.....	22,184	4,427	26,611	29,039
Fertilizers and Fertilizer Materials.....	8,564	16,349	24,913	23,071
Meats, canned, cured, prepared or preserved.....	2,482	20,638	23,120	50,089
Agricultural Implements, Machinery and Parts (except Motor Vehicles).....	238	22,582	22,820	39,018
Coffee Beans and Coffee Preparations.....	22,622	69	22,691	11,718
Paper not otherwise specified.....	3,885	18,400	22,285	31,491
Aluminum, in bars, billets, blocks, ingots, pigs, rods, sheets or slabs.....	887	20,832	21,719	68,771
Clay.....	20,010	1,280	21,290	20,393
Fruits, canned or preserved.....	19,556	728	20,284	12,601
Sulphur.....	20,278	.....	20,278	27,342
Vegetable Oils.....	1,130	18,359	19,489	32,737
Copper and Copper Manufactures not otherwise specified.....	1,462	16,913	18,375	24,595
Wool, unmanufactured, and Wool Yarns.....	16,356	1,241	17,597	22,931
Rubber, crude (including Latex).....	10,899	6,542	17,441	16,880
Fruits, fresh, not otherwise specified.....	17,196	216	17,412	22,174
Zinc Spelter.....	.....	16,589	16,589	36,664
Tea.....	15,530	71	15,601	15,355
Settlers' Effects.....	10,590	4,932	15,522	14,478
Hides, Leather and Leather Manufacturers.....	3,282	12,057	15,339	8,034
Grain Products (Mill Products except Wheat Flour).....	.....	14,542	14,542	12,845
Jute and Jute Manufacturers.....	13,313	946	14,259	29,911
Feed, animal or poultry, not otherwise specified.....	39	13,837	13,876	11,064
Cocoa Beans, Cocoa Preparations and Chocolate (except Confectionery).....	13,705	126	13,831	14,854
Pulpboard (except Wallboard).....	.....	13,124	13,124	37,228
Iron or Steel Tubes, Pipe and Fittings.....	5,755	7,273	13,028	6,926
Fruits and Fruit Products (including Juices) not otherwise specified.....	12,411	526	12,937	3,714
Fruits, dried.....	12,071	224	12,295	17,295n
Iron or Steel, scrap.....	12,273	.....	12,273	54,697
China ware, Earthenware and Porcelainware.....	11,773	128	11,901	13,267
Rock and Stone.....	11,417	196	11,613	9,011
Lead and Lead Manufactures.....	590	10,601	11,191	33,148
Electrical Goods (not otherwise specified).....	2,859	7,878	10,737	18,490
All Goods not otherwise specified.....	176,221	275,077	451,298	753,635
TOTAL.....	7,042,268	6,827,878	13,870,146	11,638,120

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1949, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1949.....	22,509	20,739	43,248
1948.....	17,957	16,693	34,650
1947.....	9,562	9,181	18,743
1946.....	4,240	4,477	8,717
1945.....	2,287	1,613	3,900
<i>Coastwise—</i>			
1949.....	72,820	69,841	142,661
1948.....	77,458	75,184	152,642
1947.....	75,991	69,190	145,181
1946.....	73,995	70,053	144,048
1945.....	79,560	69,342	148,902
<i>Total—</i>			
1949.....	95,329	90,580	185,909
1948.....	95,415	91,877	187,292
1947.....	85,553	78,371	163,924
1946.....	78,235	74,530	152,765
1945.....	81,847	70,955	152,802

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATORS

Statement showing quantity of grain handled at the terminal elevators during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....	71,544,011	87,164,153	158,708,164
1948.....	19,891,513	60,077,743	79,969,256
1947.....	11,612,547	61,969,120	73,581,667
1946.....	25,922,298	67,029,562	92,951,860
1945.....	40,206,939	102,873,071	143,080,010
<i>Via rail—</i>			
1949.....	30,968,846	6,596,415	37,565,261
1948.....	47,215,696	4,230,577	51,446,273
1947.....	55,687,127	2,548,393	58,235,520
1946.....	47,038,604	6,987,027	54,025,631
1945.....	72,238,084	11,661,727	83,899,811
<i>Via other—</i>			
1949.....	46,080	3,703,631	3,749,711
1948.....	46,758	3,149,890	3,196,648
1947.....	21,647	2,362,685	2,384,332
1946.....	6,434	4,599,301	4,605,735
1945.....	4,991	3,912,265	3,917,256
<i>Total—</i>			
1949.....	102,558,937	97,464,199	200,023,136
1948.....	67,153,967	67,458,210	134,612,177
1947.....	67,321,321	66,880,198	134,201,519
1946.....	72,967,336	78,615,890	151,583,226
1945.....	112,450,014	118,447,063	230,897,077

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1949, with comparison for 1948.

	1949	1948
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	51,182	76,165
Non-revenue cars.....	12,292	10,562
Total.....	63,474	86,727
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	27,724	28,655
Non-revenue cars.....	36,154	58,273
Total.....	63,878	86,928
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	31	190
Non-revenue cars.....	.....	9
Total.....	31	199
<i>Switched locally—</i>		
Revenue cars.....	2,214	2,619
Non-revenue cars.....	14	81
Total.....	2,228	2,700
<i>Total—</i>		
Revenue cars.....	81,151	107,629
Non-revenue cars.....	48,460	68,925
Total.....	129,611	176,554

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$932,865, excluding maintenance of Jacques Cartier bridge, on which \$38,603 was expended. The larger items were repairs to railway system, grain elevator system, shore and floating equipment, wharves and piers, transit sheds, cold storage warehouse, harbour lighting and electric power system and harbour roads.

CAPITAL WORKS

Expenditures chargeable either to capital or replacement reserve amounted to \$571,243. The principal items were:—

Construction of Transit Shed, Sections 29-30.—In May, 1948, a contract was awarded to the Foundation Company of Canada, Limited, for the construction of a single storey transit shed at sections 29-30 and approximately 30 per cent of the work was done in that year. The contract was completed in 1949.

Reconstruction of Jacques Cartier Pier.—The Pentagon Construction Company, Limited, and Grant-Mills Limited, were awarded a contract in November, 1949, for the reconstruction of the upstream face and half of the outer end of Jacques Cartier pier, approximately 1,280 linear feet in extent, by means of an outlining face of reinforced concrete cylinders tied back by tie rods. The work was approximately 5 per cent completed by the end of 1949. All work will be completed by the spring of 1950.

Extension to Shed No. 10, King Edward Pier.—A single storey extension to existing shed no. 10, 238 ft. by 95 ft., of steel frame construction was commenced late in 1949 under a contract awarded to the Foundation Company of Canada, Limited. Approximately 10 per cent of the work was completed during 1949 and the balance is expected to be finished early in the summer of 1950.

Installation of Safety Devices on Passenger Hoists in the Grain Elevators.—The work of installation of safety devices on passenger hoists in the grain elevators was undertaken and approximately 75 per cent completed. This was carried out under a contract which was awarded to the Canadian Elevator Repair Company in October, 1949, and will be completed early in 1950.

Paving Windmill Point Wharf.—A contract was awarded in 1948 to Charles Duranceau, Limitée, for paving Windmill Point wharf, from section 5W to section 7W inclusive, by the asphalt penetration method. About 30 per cent of the work was done in 1948 and the balance was completed in 1949.

Construction of Latrines.—The construction of one latrine at shed no. 19 and two at Windmill Point wharf was undertaken by Montreal harbour forces. The latrines were almost completed by the end of 1949.

Installation of Safety Signals in Cold Storage Warehouse.—During the year, Montreal harbour electrical forces installed safety signals in all cold storage rooms of the cold storage warehouse for the protection of employees working in the plant.

Construction of a Diving Scow.—A wooden scow, 45 ft. by 18 ft., was built at the Montreal harbour shipyard by harbour forces for use of the diver and crew while carrying out diving operations.

Installation of Electric Outlets on Track Side of Sheds.—Montreal harbour electrical forces installed electric outlets along the track sides of transit sheds to permit the use of extension lights for unloading freight cars.

Minor Items.—These included the paving of the outer end of Alexandra pier, purchase of portable gravity conveyors and two weigh scales for the cold storage warehouse, provision of a new locker room for railway operation forces, purchase of electric heater for rest room at no. 3 elevator, purchase of a power grinder and a power hack saw for the machine shop, completion of replacement of obsolete equipment at elevator no. 2, paving at section 45, and installation of floodlights at Sutherland and Laurier piers.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$6,272,697, as compared with \$5,608,899 in 1948, an increase of \$663,798. Receipts from the operation of the Board's four grain elevators showed an increase of \$940,000 over those of the previous year. This large amount is attributable to the greater quantity of grain handled—almost 50 per cent more than in 1948—as well as to longer average storage period and an upward revision in the authorized tariff of grain elevator charges. Earnings of other harbour facilities showed a downward trend. This was particularly noticeable in the case of the terminal railway, the revenues of which decreased by \$137,000.

Operating and maintenance expenses were \$3,663,798, as against \$3,186,639 in 1948, an increase of \$477,159.

Net income surplus, after all charges, including interest due the Government and reserve for replacements, was \$101,694, as compared with a deficit of \$43,448 in 1948.

The foregoing figures are exclusive of the operations of Jacques Cartier bridge, for which separate accounts are kept.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

(Excluding Jacques Cartier Bridge)

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$ 41,034 50	
Miscellaneous.....	21,620 18	
	<u>\$</u>	62,654 68

Wharves and Piers

Top Wharfage.....	1,837,716 90	
Dockage.....	384,136 13	
Miscellaneous.....	249,748 40	
	<u></u>	2,471,601 43

Permanent Sheds

Shed Rentals.....	300,907 75	
Storage.....	43,166 04	
Miscellaneous.....	33,655 02	
	<u></u>	377,728 81

Shed Hoists.....

33,036 00

Railway System.....

535,579 61

Grain Elevator System

Elevation.....	1,366,954 40	
Storage.....	620,446 10	
Miscellaneous.....	133,683 24	
	<u></u>	2,121,083 74

Cold Storage System

Storage.....	326,482 71	
Miscellaneous.....	63,306 79	
	<u></u>	389,789 50

Miscellaneous—Outsiders.....

281,223 58

\$ 6,272,697 35

OPERATING EXPENSES—

Administration..... 471,900 33

Operation and Maintenance

Harbour Dredging.....	75,414 94	
Harbour General.....	366,261 14	
Roads, Fences and Boundaries.....	42,385 75	
Sewers and Drains.....	7,483 00	
Wharves and Piers.....	94,442 01	
Permanent Sheds.....	107,520 98	
Shed Hoists.....	30,169 45	
Railway System.....	711,331 70	
Grain Elevator System.....	1,224,327 91	
Cold Storage System.....	282,748 15	
Miscellaneous—Outsiders.....	249,812 62	
	<u></u>	3,191,897 65
		3,663,797 98

Operating Income..... 2,608,899 37

INCOME RECEIVED FROM RESERVE FUNDS..... 305,081 21

MISCELLANEOUS INCOME CREDITS..... 133,654 39
438,735 60

Total Income..... 3,047,634 97

MISCELLANEOUS DEDUCTIONS FROM INCOME

Income received from Reserve Funds transferred to Reserves.....	305,081 21	
Miscellaneous Income Charges.....	163,519 96	
	<u></u>	468,601 17

2,579,033 80

OTHER INCOME REQUIREMENTS

Reserve for Replacements.....	811,847 00	
Interest due Dominion Government.....	1,665,493 23	
	<u></u>	2,477,340 23

Net Income Surplus..... \$ 101,693 57

Harbour of Montreal

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS

FIXED—	
Harbour Dredging.....	\$ 5,564,416 49
Real Estate.....	2,232,620 18
Roads, Fences and Boundaries.....	821,202 17
Sewers and Drains.....	160,192 45
Miscellaneous Structures.....	400,779 04
Wharves and Piers.....	25,005,603 96
Permanent Sheds.....	7,170,797 53
Shed Hoists.....	236,972 88
Railway System.....	4,122,876 40
Grain Elevator System.....	15,622,035 17
Cold Storage System.....	3,025,957 06
Office Furniture and Appliances.....	56,975 50
Harbour Buildings.....	311,967 44
Central Heating Plants.....	14,579 46
Harbour Shops.....	297,160 38
Electric Power System.....	1,043,606 00
Water Supply System.....	163,997 31
Floating Equipment.....	850,274 45
Shore Equipment.....	377,253 23
Works under Construction.....	231,709 45
	<u>\$67,710,876 55</u>

CURRENT—

Cash—Receiver General of Canada.....	\$ 716,609 76
Cash—On Hand.....	21,314 48

*Accounts Receivable.....	546,838 07
Less—Reserve for Bad Debts.....	727 79
	<u>737,924 19</u>

Advances due on Capital Account.....	546,110 28
Stores on Hand.....	11,959 99
Accrued Revenue.....	364,167 30
Other Assets.....	173,122 75
	<u>138,202 91</u>
	<u>1,971,487 42</u>

SECURITY DEPOSITS	264,909 63
REPLACEMENT FUND.....	10,500,349 70
FIRE AND GENERAL INSURANCE FUND.....	960,078 15
PREPAID CHARGES.....	7,187 15
DEFERRED DEBITS.....	23,967 09
	<u>\$81,438,855 69</u>

LIABILITIES

DOMINION GOVERNMENT ACCOUNT—	
Loans and Advances (Interest bearing).....	\$60,990,218 51
Expenditure under Appropriations.....	4,526,842 34
Govt. Loans Applied for—Contra.....	11,959 99
	<u>\$65,529,020 84</u>

ACCOUNTS PAYABLE—CONSTRUCTION	139,112 93
Contractors' Holdbacks—Construction.....	10,154 71

CURRENT—	
Accounts Payable.....	\$ 178,147 54
Salaries and Wages Payable.....	48,524 10
Matured Interest due Dominion Government... ..	6,107,456 44
Unclaimed Wages.....	619 22
	<u>6,334,747 30</u>

CONTRACTORS' SECURITY DEPOSITS—CONTRA	264,909 63
--	------------

RESERVES—	
Replacements.....	10,498,541 31
Fire and General Insurance.....	960,078 15
	<u>11,458,619 46</u>

DEFERRED CREDITS	49,511 66
	<u>83,786,076 53</u>

SURPLUS AND DEFICIT ACCOUNT—	
Deficit as at December 31, 1948.....	2,451,036 85
Net Income Surplus for 1949.....	101,693 57
	<u>2,349,343 28</u>

Deduct—	
Adjustments in 1949.....	2,122 44
	<u>2,347,230 84</u>
	<u>\$81,438,855 69</u>

JACQUES CARTIER BRIDGE—MONTREAL

TRAFFIC

Statement showing classification of revenue passages via Jacques Cartier Bridge during calendar year 1949, with comparisons for 1948.

	1949	1948
Passengers in vehicles.....	11,896,842	10,493,770
Automobiles (passenger).....	3,414,171	2,940,733
Trucks.....	689,096	584,812
Buses.....	120,626	110,956
All others.....	37,142	33,544

REVENUES AND EXPENDITURES

Bridge tolls and sundry receipts amounted to \$1,104,922, exceeding those of 1948 by \$130,158. Operating and maintenance expenditures were \$141,727, as compared with \$129,372 in the previous year.

After making provision for interest, reserve for depreciation, and other charges against income, there was a net income deficit of \$536,575, towards which, under agreement, contributions of \$58,291 each are payable by the Province of Quebec and the City of Montreal. The corresponding net income deficit in 1948 was \$640,424.

As reported previously, the City of Montreal, disclaiming liability, did not pay the contribution of \$150,000 in respect of deficit incurred in the operation of the bridge in 1944. The contributions for subsequent years also have not been paid. Legal proceedings are in progress against the City.

The Province of Quebec has also withheld payment of its contributions.

Consequently, the balance sheet of the bridge as at December 31, 1949, shows accounts receivable of \$1,488,852, being contributions due from both the Province and the City in respect of deficits incurred in the years 1944 to 1949 inclusive.

REFINANCING OF BRIDGE DEBT

As of November 1, 1949, \$19,000,000, 5 per cent bonds, maturing November 1, 1969, issued to pay for the construction of the bridge, were redeemed under the terms of the issue at 105 and accrued interest. As these bonds carried an option for payment in currency of the United States, provision for their redemption was included when an issue of Government of Canada bonds was sold in New York about September 1, 1949. The necessary New York funds were advanced to the Board by the Department of Finance and the resulting indebtedness converted into an obligation payable in Canadian currency, bearing interest at $2\frac{3}{4}$ per cent, and for the sum of \$20,049,750. The latter figure represents the \$19,000,000 principal amount of bonds redeemed, plus \$950,000 for redemption premium and \$99,750 for U.S. exchange at $\frac{1}{2}$ per cent.

Owing to this favourable refinancing of the capital debt of the bridge, annual debt charges will be decreased by about \$445,000, taking into consideration interest, exchange (at current rate), and amortization of redemption expenses. With this reduction in debt charges, the bridge becomes self-supporting for the first time since its construction.

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OPERATING REVENUES—

Bridge Tolls Collected.....	\$ 1,093,460 76
Sundry Receipts.....	11,460 75
	<u>\$ 1,104,921 51</u>

Administration.....	25,564 80
Operation.....	77,559 50
Maintenance.....	38,602 99
	<hr/>
	141,727 29

Operating Income.....	963,194 22
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INCOME RECEIVED FROM RESERVE FUNDS.....	19,102 27
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MISCELLANEOUS INCOME CREDITS.....	2,182 75	
	<u> </u>	21,285 02

Total Income.....	984,479 24
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Premium on United States funds.....	52,359 01
Income received from Reserve Funds transferred to Reserves.....	19,102 27
Trustees' Fees, Commissions, etc.....	2,277 94
Bond Discount and Redemption Premium.....	17,594 08
Bond Redemption charges.....	13,570 81
Miscellaneous income charges.....	3,196 50
	<hr/>
	108,100 61

Income Available for Interest due Public.....	876,378 63
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INTEREST ON DEBT TO THE PUBLIC.....	791,666 66
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84,711 97

Reserve for Depreciation.....	166,154 63
Interest due Dominion Government: deficit debt.....	361,701 55
capital debt.....	93,430 51
	621,286 69

536,574 72

Proportion of Deficit Payable by:

Province of Quebec.....	58,291 06	
City of Montreal.....	58,291 06	
	<hr/>	116,582 12

Net Income Deficit.....	\$ 419,992 60
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Jacques Cartier Bridge—Montreal

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS		LIABILITIES	
FIXED—			
Bridge Structure, Right-of-Way, etc.	\$18,580,807 21	DOMINION GOVERNMENT ACCOUNT—	
		Advances for capital	\$20,049,750 00
		Advances for Deficits	7,234,031 00
			<u>\$27,283,781 00</u>
CURRENT—			
Cash—Receiver General of Canada.	\$ 63,087 94	CURRENT—	
Cash—On Hand	9,237 56	Accounts Payable	\$ 12,843 52
Accounts Receivable	72,325 50	Salaries and Wages Payable	1,709 10
	21,468 09	Matured Interest due Dominion Government	
Province of Quebec—		deficit debt	3,867,646 56
On Account of Deficit	744,425 77	Accrued Interest due Gov't Capital Debt	93,430 51
		Other Current Liabilities	8,747 92
City of Montreal—			<u>3,984,377 61</u>
On Account of Deficit	744,425 77	RESERVES—	
Other Current Assets	1,488,851 54	Maintenance—General	334,434 87
	9,414 59	Maintenance—Painting	264,220 56
	<u>1,592,059 72</u>	Depreciation	2,990,647 70
			<u>3,639,303 13</u>
MISCELLANEOUS FUNDS	722,139 82	DEFERRED CREDITS	45 84
			<u>34,907,507 58</u>
BOND DISCOUNT AND REDEMPTION SUSPENSE ACCOUNT	1,216,451 62	SURPLUS AND DEFICIT ACCOUNT	
		Deficit as at December 31, 1948	12,374,277 64
PREPAID CHARGES	1,778 97	Net Income Deficit for 1949	419,992 60
			<u>12,794,270 24</u>
			<u>\$22,113,237 34</u>

PRESCOTT ELEVATOR

Prescott elevator is situated on the St. Lawrence River about 118 miles upstream from Montreal and 60 miles downstream from Kingston. The facilities operated by the Board include a grain elevator with a storage capacity of 5,500,000 bushels with 4 travelling marine towers, each with a capacity of 35,000 bushels per hour, 5,400 linear feet of wharf and adequate railway trackage.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....	16,012,485	12,427,098	28,439,583
1948.....	3,823,395	3,249,420	4,072,815
1947.....	9,085,839	7,701,869	16,787,708
1946.....	7,457,193	5,659,845	13,117,038
1945.....	14,432,839	13,095,924	27,528,763
<i>Via rail—</i>			
1949.....	472,358	1,419,307	1,891,665
1948.....	473,698	1,012,406	1,486,104
1947.....	578,312	746,291	1,324,603
1946.....	363,237	2,524,916	2,888,153
1945.....	415,870	4,089,029	4,504,899
<i>Via other—</i>			
1949.....		469,399	469,399
1948.....	1,478	487,404	488,882
1947.....		653,165	653,165
1946.....		614,616	614,616
1945.....		530,985	530,985
<i>Total—</i>			
1949.....	16,484,843	14,315,804	30,800,647
1948.....	4,298,571	4,749,230	9,047,801
1947.....	9,664,151	9,101,325	18,765,476
1946.....	7,820,430	8,799,377	16,619,807
1945.....	14,848,709	17,715,938	32,564,647

MAINTENANCE

Ordinary maintenance and repairs were carried out at a cost of \$28,532. The principal items were repairs to vessel shovel gear, maintenance of roads, railway tracks, track shed doors, marine towers, rail loading spouts, grinder, electrical equipment and inter-phone system.

REVENUES AND EXPENDITURES

Revenues from operations amounted to \$264,004, as compared with \$120,037 in 1948. Expenditures on operation and maintenance were \$150,155, as against \$160,253 in 1948.

Net income surplus for the year was \$114,067, as against a deficit of \$38,709 in 1948. No charge for interest or depreciation of property is made in the accounts of this facility.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—

Harbour General

Miscellaneous.....	\$	280 75
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Wharves and Piers

Top wharfage.....		1,862 85
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Miscellaneous.....		100 00
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Railway System.....		142 50
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Grain Elevator System

Elevation.....	\$	162,784 76
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Storage.....		80,161 80
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Miscellaneous.....		18,671 17
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		261,617 73
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	\$	264,003 83
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OPERATING EXPENSES—

Administration.....		19,711 46
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Operation and Maintenance

Grain Elevator System.....		130,443 60
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		150,155 06
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Operating Income.....		113,848 77
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MISCELLANEOUS INCOME CREDITS.....		1,288 44
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Total Income.....		115,137 21
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MISCELLANEOUS DEDUCTIONS FROM INCOME

Miscellaneous Income Charges.....		1,069 98
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Net Income Surplus.....	\$	114,067 23
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PORT COLBORNE ELEVATOR

Port Colborne elevator is situated at the southern or Lake Erie entrance of the Welland Ship Canal. The facilities operated by the Board include 2,400 linear feet of wharf and a grain elevator with a storage capacity of 3,000,000 bushels with 4 marine legs with an unloading capacity of 18,000 bushels per hour each.

TRAFFIC

Statement showing quantity of grain handled at the National Harbours Board terminal elevator during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	Bu.	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....	39,316,122	35,705,911	75,022,033
1948.....	15,773,726	16,553,758	32,327,484
1947.....	14,703,325	11,350,458	26,053,783
1946.....	19,618,350	15,143,725	34,762,075
1945.....	27,607,688	22,774,250	50,381,938
<i>Via rail—</i>			
1949.....	89,646	1,250,530	1,340,176
1948.....	34,363	1,619,970	1,654,333
1947.....	70,076	3,042,151	3,112,227
1946.....	4,523	4,292,909	4,297,432
1945.....		2,714,152	2,714,152
<i>Via other—</i>			
1949.....		374,202	374,202
1948.....		442,761	442,761
1947.....		355,953	355,953
1946.....		272,319	272,319
1945.....		1,730,209	1,730,209
<i>Total—</i>			
1949.....	39,405,768	37,330,643	76,736,411
1948.....	15,808,089	18,616,489	34,424,578
1947.....	14,773,401	14,748,562	29,521,963
1946.....	19,622,873	19,708,953	39,331,826
1945.....	27,607,688	27,218,611	54,826,299

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$67,718. The major items were overhauling and repairs to vessel shovel gear, marine legs, lofters, scales, conveyors, building structure, inside electrical circuits, vessel spouts, wharves and tracks.

CAPITAL WORKS

Capital expenditure amounted to \$7,040, covering installation of a steam heating system in the office building, installation of chlorination equipment for drinking water supply and purchase of a power shear.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$485,718, as compared with \$252,186 in 1948. Operating and maintenance expenses were \$293,881, the corresponding figure for 1948 being \$189,414.

Net income surplus for 1949 was \$193,931, as against \$62,022 in the previous year, an increase of \$131,909. No charge is made in the accounts of this facility for interest (except a small amount on recent capital expenditures) or for depreciation of physical property.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—

Elevation.....	\$ 376,933 99	
Storage.....	108,537 14	
Miscellaneous.....	246 53	
	<u> </u>	\$ 485,717 66

OPERATING EXPENSES—

Administration.....	30,577 68	
Operation and Maintenance.....	263,303 23	
	<u> </u>	293,880 91

Operating Income.....	191,836 75
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MISCELLANEOUS INCOME CREDITS.....	3,984 27
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Total Income.....	195,821 02
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MISCELLANEOUS DEDUCTIONS FROM INCOME—

Miscellaneous Income Charges.....	1,766 36	
	<u> </u>	194,054 66

OTHER INCOME REQUIREMENTS—

Interest due Dominion Govt.....	123 89	
Net Income Surplus.....	\$ 193,930 77	

Port Colborne Elevator

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Real Estate.....	\$ 21,875 80	Expenditure under Appropriations.....	\$ 2,356,217 60
Wharves and Piers.....	533,644 00	Loans and Advances—Interest Bearing.....	5,623 43
Railway System.....	42,189 22		
Grain Elevator System.....	1,766,246 48	Accounts Payable Construction.....	\$ 2,361,841 03
Office Furniture and Appliances.....	2,363 52		5,990 00
Miscellaneous—Small Plant.....	9,181 15		
Works under construction.....	7,124 08		
	<u>\$ 2,382,624 25</u>		
CURRENT—		CURRENT—	
Cash—Receiver General of Canada \$ 158,291 59		Accounts Payable.....	4,156 23
Cash—On Hand.....	24,854 89	Salaries and Wages Payable.....	3,036 55
		Matured Interest due—Dominion Government.....	123 89
			<u>7,316 67</u>
Accounts Receivable.....	183,146 48		
Stores on Hand.....	24,068 49	SURPLUS AND DEFICIT ACCOUNT—	<u>2,375,147 70</u>
	<u>45,604 19</u>	Surplus as at December 31, 1948.....	128,409 18
Prepaid charges.....	252,819 16	Net Income Surplus for 1949.....	193,930 77
	22 29		<u>322,339 95</u>
		DEDUCT—	
		Payment to Dominion Government on account	
		of Surplus Earnings.....	<u>62,021 95</u>
			260,318 00
			<u>\$ 2,635,465 70</u>
			<u>\$ 2,635,465 70</u>

HARBOUR OF CHURCHILL

The Harbour of Churchill is situated at the entrance of the Churchill River on the west side of Hudson Bay. It is open to ocean navigation from about the beginning of August to the middle of October. The facilities operated by the Board include 1,855 linear feet of wharf with a depth of water alongside of 30 feet at low tide, a steel transit shed 476 feet long by 173 feet wide, a grain elevator with storage capacity of 2,500,000 bushels, equipped with galleries and spouts allowing the loading of three ships at a time, railway tracks along the wharf, a locomotive crane of 20 tons capacity, a floating crane of 10 tons capacity, shear legs of 35 tons capacity and a marine slipway capable of handling boats up to 1,200 tons weight.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	32	72,157
1948.....	35	73,483
1947.....	35	68,361
1946.....	21	40,413
1945.....	9	2,146
<i>Departures—</i>		
1949.....	32	72,157
1948.....	35	73,483
1947.....	35	68,361
1946.....	22	40,510
1945.....	9	2,146

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparison for 1948.

	1949		1948	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	16	67,851	15	69,326
Coastal or inland commercial (including fishery).....	16	4,306	20	4,157
Other.....				
Total.....	32	72,157	35	73,483
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	16	67,851	15	69,326
Coastal or inland commercial (including fishery).....	16	4,306	20	4,157
Other.....				
Total.....	32	72,157	35	73,483

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949.....	2,000	165,826	167,826
1948.....	949	158,760	159,709
1947.....	375	153,841	154,216
1946.....	37	91,641	91,678
1945.....			
<i>Domestic—</i>			
1949.....	66	2,432	2,498
1948.....	103	2,816	2,919
1947.....	50	1,994	2,044
1946.....	56	2,010	2,066
1945.....	30	1,077	1,107
<i>Total—</i>			
1949.....	2,066	168,258	170,324
1948.....	1,052	161,576	162,628
1947.....	425	155,835	156,260
1946.....	93	93,651	93,744
1945.....	30	1,077	1,107

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevator during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....		5,527,535	5,527,535
1948.....		5,325,884	5,325,884
1947.....		4,975,754	4,975,754
1946.....		2,928,876	2,928,876
1945.....			
<i>Via rail—</i>			
1949.....	5,553,069		5,553,069
1948.....	5,279,007		5,279,007
1947.....	5,042,709		5,042,709
1946.....	1,093,881		1,093,881
1945.....			
<i>Via other—</i>			
1949.....			
1948.....			
1947.....			
1946.....		60	60
1945.....		90	90
<i>Total—</i>			
1949.....	5,553,069	5,527,535	11,080,604
1948.....	5,279,007	5,325,884	10,604,891
1947.....	5,042,709	4,975,754	10,018,463
1946.....	1,093,881	2,928,936	4,022,817
1945.....		90	90

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$73,108. The principal items were repairs to shore and floating equipment, partial demolition of the powerhouse smoke stack and general maintenance of wharf, transit shed, grain elevator, conveyor gallery and living quarters.

CAPITAL WORKS

Capital expenditure during the year amounted to \$192,761. The principal items were:—

Construction of Staff Building.—A contract was awarded in April, 1949, to S. Sveinson & Sons for the construction of a staff building, 158 ft. by 25 ft., of concrete block construction. Approximately 90 per cent of the work was completed at December 31, 1949.

Purchase of a Steel Dump Scow.—In March, 1949, a contract was awarded to United Steel Corporation, Ltd., for the construction of a steel dump scow of 450 cubic yard capacity for delivery in 1950. This scow is being constructed at the contractor's shipyard, and will be dismantled and shipped to Churchill by rail, where it will be reassembled by the Board's forces in the spring of 1950.

Construction of Cold Storage Building.—A wood frame building, 48 ft. by 24 ft., was built in 1949 by harbour forces and equipped with refrigeration equipment to provide adequate storage for perishable food supplies.

Minor Items.—These consisted of the purchase of a dump truck, the purchase and installation of two new oil fired boilers for the lake pump-house, the installation of four additional mooring bollards on the wharf and the purchase and installation of two oil storage tanks, one at the powerhouse and the other at the lake pump-house.

REVENUES AND EXPENDITURES

Operating revenues amounted to \$256,487, as compared with \$278,712 in 1948. Expenditures on operation and maintenance were \$339,944, as against \$321,338 in 1948.

After taking into account income credits and debits, there was a net income deficit of \$84,141, as compared with a deficit of \$43,062 shown in 1948, no charge for depreciation having been made, or for interest, except a small amount on capital expended since the harbour was transferred to the Board for administration.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—

Harbour General

Harbour Dues.....	\$ 121 00	
Miscellaneous.....	2,100 00	
	<u>\$</u>	2,221 00

Wharves and Piers

Top Wharfage.....	1,220 90	
Dockage.....	3,200 00	
	<u></u>	4,420 90

Permanent Sheds

Storage.....	11,050 00	
Miscellaneous.....	2,406 17	
	<u></u>	13,456 17

Grain Elevator System

Elevation.....	112,865 88	
Miscellaneous.....	54,104 45	
	<u></u>	166,970 33

Miscellaneous—Outsiders.....	69,418 87	
	<u>\$</u>	256,487 27

OPERATING EXPENSES—

Administration.....	46,477 92
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Operation and Maintenance

Harbour Dredging.....	17,893 62	
Harbour General.....	24,365 29	
Roads, Fences and Boundaries.....	6,528 61	
Wharves and Piers.....	15,560 50	
Permanent Sheds.....	3,136 99	
Grain Elevator System.....	164,898 50	
Miscellaneous—Outsiders.....	61,082 81	
	<u></u>	293,466 32
		<u>339,944 24</u>

Operating Deficit.....	83,456 97
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MISCELLANEOUS INCOME CREDITS.....	315 52
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83,141 45

OTHER INCOME REQUIREMENTS—

Interest due Dominion Government.....	999 34
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Net Income Deficit.....	<u>\$ 84,140 79</u>
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Harbour of Churchill

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 1,180,299 95	Loans and Advances (Interest bearing).....	\$ 203,788 88
Real Estate.....	60,277 58	Expenditure under Appropriations.....	12,868,962 87
Miscellaneous Structures.....	173,228 40	Government loans applied for.....	662 89
Wharves and Piers.....	1,370,038 95		<u>\$13,073,414 14</u>
Permanent Sheds.....	200,594 74	Accounts Payable—Construction.....	14,154 95
Railway System.....	23,097 68	Contractors' Holdbacks—Construction.....	13,505 55
Grain Elevator System.....	4,133,460 34		
Harbour Buildings.....	152,683 33		
Harbour Shops.....	13,299 71		
Water Supply System.....	423,085 40		
Electric Power System.....	19,491 34	CURRENT—	
Floating Equipment.....	758,329 91	Accounts Payable.....	35,075 99
Shore Equipment.....	6,959 53	Matured Interest due Dominion Government...	3,253 98
Miscellaneous Small Plant.....	423,993 66		<u>38,329 97</u>
Engineering—General Surveys.....	109,441 06		
Sundry Expenditure (Undistributed).....	3,769,450 26	Contractors' Security Deposits.....	32,455 00
Works under Construction.....	186,601 91		<u>13,171,860 61</u>
	<u>\$13,003,333 75</u>		
CURRENT—		SURPLUS AND DEFICIT ACCOUNT—	
Cash—Receiver General of Canada \$ 575 13		Deficit as at December 31, 1948.....	7,564 21
Cash—On Hand.....	1,631 46	Net Income Deficit to 1949.....	84,140 79
		Charges in 1949.....	6,017 69
Accounts Receivable.....	2,206 59		<u>97,722 69</u>
Advances due on Capital Account.....	13,686 67		
Stores on Hand.....	102,999 37	DEDUCT—	
Accrued Revenue.....	1,459 78	Government Grant <i>re</i> 1949 Deficit.....	83,141 45
			<u>14,581 24</u>
Security Deposits.....	120,715 30		
PREPAID CHARGES.....	32,455 00		
Deferred Debts.....	772 82		
	<u>\$13,157,279 37</u>		<u>\$13,157,279 37</u>

HARBOUR OF VANCOUVER

The harbour of Vancouver, situated in Burrard Inlet on the west coast of British Columbia, with direct access to the Pacific Ocean through the Straits of Georgia and Juan de Fuca, is served by the Canadian National, Canadian Pacific and Great Northern railways, which have connections, either direct or over the terminal railway operated by the Board, to all docks on the north and south sides of the harbour. The entrance channel to the harbour, which is open the year round, has a minimum depth of 35 feet. The Board has 3 piers, a wharf and two jetties, having about 9,500 linear feet of berthing and 6 transit sheds with an aggregate floor area of about 567,000 square feet. The Board's four grain elevators have a total storage capacity of 9,779,500 bushels, a combined loading capacity of about 200,000 bushels per hour and $1\frac{1}{2}$ miles of conveyor galleries. Besides, there are provided storage tanks with a capacity of over 470,000 imperial gallons for the handling of fish and vegetable oils, open wharves, booming grounds and scow pools for the storage and shipment of timber and a special dock with small ice plant and freezing equipment for the processing of fish. A 40-ton fixed derrick is installed on Lapointe pier.

SHIPPING

VESSELS—ARRIVALS AND DEPARTURES

Statement showing number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparisons for previous years.

	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>		
1949.....	28,482	13,820,239
1948.....	28,947	13,645,274
1947.....	28,946	13,353,027
1946.....	26,571	11,318,914
1945.....	24,597	9,824,176
<i>Departures—</i>		
1949.....	28,406	13,834,872
1948.....	28,528	13,621,026
1947.....	28,765	13,406,361
1946.....	26,689	11,340,763
1945.....	24,801	9,805,637

(Exclusive of naval vessels)

VESSELS—CLASSIFICATION

Statement showing classification, number and net registered tonnage of vessels which arrived and departed during calendar year 1949, with comparison for 1948.

	1949		1948	
	Number of Vessels	Net Registered Tonnage	Number of Vessels	Net Registered Tonnage
<i>Arrivals—</i>				
Deepsea or ocean-going commercial.....	1,052	4,410,998	926	3,968,855
Coastal or inland commercial (including fishery).....	27,430	9,409,241	28,021	9,676,419
Other.....				
Total.....	28,482	13,820,239	28,947	13,645,274
<i>Departures—</i>				
Deepsea or ocean-going commercial.....	1,058	4,427,280	929	3,966,975
Coastal or inland commercial (including fishery).....	27,348	9,407,592	27,599	9,654,051
Other.....				
Total.....	28,406	13,834,872	28,528	13,621,026

(Exclusive of naval vessels)

TRAFFIC

CARGO TONNAGE—SUMMARY

Statement showing water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparisons for previous years.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

	Inward	Outward	Total
	(Tons)	(Tons)	(Tons)
<i>Foreign—</i>			
1949.....	2,156,441	2,796,757	4,953,198
1948.....	2,307,240	2,031,878	4,339,118
1947.....	2,154,984	2,329,496	4,484,480
1946.....	1,715,490	2,519,447	4,234,937
1945.....	1,428,889	1,671,379	3,100,268
<i>Domestic—</i>			
1949.....	2,945,234	1,484,791	4,430,025
1948.....	3,123,343	1,499,948	4,623,291
1947.....	2,949,213	1,527,237	4,476,450
1946.....	2,663,773	1,345,871	4,009,644
1945.....	2,688,433	1,203,821	3,892,254
<i>Total—</i>			
1949.....	5,101,675	4,281,548	9,383,223
1948.....	5,430,583	3,531,826	8,962,409
1947.....	5,104,197	3,856,733	8,960,930
1946.....	4,379,263	3,865,318	8,244,581
1945.....	4,117,322	2,875,200	6,992,522

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

CARGO TONNAGES—COMMODITIES

Statement showing principal commodities, and tonnages thereof, of water-borne cargo tonnage unloaded from and loaded to vessels during calendar year 1949, with comparison for 1948.

Basis: Tons—weight (2,000 lbs.) or measurement (40 cu. ft.)

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Grain.....		2,113,348	2,113,348	1,121,772
Logs, Masts, Piling, Pitprops, Poles, Posts, Spars and Ties (railway).....	1,091,898	139,614	1,231,512	1,371,207
Petroleum Oil, crude.....	1,116,881		1,116,881	1,146,562
Lumber (Planks, Boards and Flooring) and Square Timber.....	448,426	349,201	797,627	898,949
Petroleum Oil, fuel.....	335,028	303,610	638,638	779,249
Sand and Gravel.....	458,470	38,755	497,225	404,274
Gasoline.....	214,540	153,838	368,378	352,923
Coal, bituminous.....	184,244	40,693	224,937	282,673
Flour, wheat.....	40	168,301	168,341	115,702
Cement.....	128,569	18,140	146,709	118,470
Paper, newsprint.....	127,731	12,198	139,929	218,345
Wood-pulp.....	89,349	7,375	96,724	191,343
Kerosene.....	58,311	33,377	91,688	107,572
Sugar, raw.....	82,108		82,108	92,584
Hog Fuel.....		82,100	82,100	79,101
Motor Vehicles and Parts.....	72,442	9,643	82,085	44,630
Rock and Stone.....	4,671	72,611	77,282	11,779
Paper not otherwise specified.....	49,590	14,215	63,805	41,822
Fish (including Shell-fish), canned or preserved.....	21,142	29,053	50,195	61,652
Fertilizers and Fertilizer Materials.....	15,518	22,345	37,863	53,661
Ores and Concentrates not otherwise specified.....	31,197	809	32,006	22,372
Beverages, alcoholic.....	13,710	17,778	31,488	28,241
Lime.....	29,890	740	30,600	29,515
Fish (including Shell-fish), fresh or frozen.....	29,439	425	29,864	31,275
Copra.....	28,374		28,374	39,244
Petroleum Oil, refined not otherwise specified.....	6,612	14,505	21,117	19,780
Machinery and Parts (except agricultural).....	5,217	14,823	20,040	22,857
Grain Products (Mill Products except Wheat Flour).. Chemicals not otherwise specified.....	56 7,669	15,428 7,836	15,484 15,505	9,981 13,364
Coffee Beans and Coffee Preparations.....	14,862	207	15,069	17,108
Salt.....	7,779	4,988	12,767	13,842

CARGO TONNAGES—COMMODITIES—*Concluded*

Commodities	Inward 1949	Outward 1949	Total 1949	Total 1948
	(Tons)	(Tons)	(Tons)	(Tons)
Iron or Steel Tubes, Pipe and Fittings	11,279	1,266	12,545	19,367
Fish Oils	7,692	4,018	11,710	13,044
Iron or Steel Band, Bars not otherwise specified, Hoop, Plates, Rods, Sheets, Skelp, Strip and Tin Plate.	11,033	542	11,575	7,091
Sulphur	5,631	5,808	11,439	13,979
Zinc Ore	10,407	.....	10,407	17,606
All Goods not otherwise specified	381,900	583,958	965,858	1,149,473
TOTAL.....	5,101,675	4,281,548	9,383,223	8,962,409

(Exclusive of ballast (non-revenue), bunkers, ships' stores, mail and passengers' baggage)

PASSENGERS

Statement showing number of passengers landed and embarked by vessels during calendar year 1949, with comparisons for previous years.

	Landed	Embarked	Total
<i>Foreign—</i>			
1949.....	2,933	3,573	6,506
1948.....	2,035	2,014	4,049
1947.....	625	494	1,119
1946.....	844	5,404	6,248
1945.....	591	220	811
<i>Coastwise—</i>			
1949.....	778,194	816,534	1,594,728
1948.....	852,277	874,818	1,727,095
1947.....	911,367	943,928	1,855,295
1946.....	942,297	955,383	1,897,680
1945.....	967,983	973,899	1,941,882
<i>Total—</i>			
1949.....	781,127	820,107	1,601,234
1948.....	854,312	876,832	1,731,144
1947.....	911,992	944,422	1,856,414
1946.....	943,141	960,787	1,903,928
1945.....	968,574	974,119	1,942,693

(Exclusive of armed forces and prisoners of war)

GRAIN ELEVATOR

Statement showing quantity of grain handled at the terminal elevators during calendar year 1949, with comparisons for previous years.

	Receipts	Shipments	Total
	(Bu.)	(Bu.)	(Bu.)
<i>Via water—</i>			
1949.....	.....	70,294,213	70,294,213
1948.....	.....	37,396,332	37,396,332
1947.....	.....	46,892,430	46,892,430
1946.....	86,016	57,629,111	57,715,127
1945.....	.....	32,000,960	32,000,960
<i>Via rail—</i>			
1949.....	80,320,222	5,945,724	86,265,946
1948.....	41,730,467	4,979,498	46,709,965
1947.....	53,309,338	6,841,072	60,150,410
1946.....	62,308,200	8,368,282	70,676,482
1945.....	34,655,617	8,612,136	43,267,753
<i>Via other—</i>			
1949.....	8,790	151,156	159,946
1948.....	6,622	.....	6,622
1947.....	14,563	.....	14,563
1946.....	2,290	.....	2,290
1945.....	22,649	.....	22,649
<i>Total—</i>			
1949.....	80,329,012	76,391,093	156,720,105
1948.....	41,737,089	42,375,830	84,112,919
1947.....	53,323,901	53,733,502	107,057,403
1946.....	62,396,506	65,997,393	128,393,899
1945.....	34,678,266	40,613,096	75,291,362

TERMINAL RAILWAY

Statement showing number of railway cars handled by the National Harbours Board terminal railway during calendar year 1949, with comparison for 1948.

	1949	1948
<i>Received from connecting lines (except through cars)—</i>		
Revenue cars.....	11,889	9,561
Non-revenue cars.....	7,658	7,882
Total.....	19,547	17,443
<i>Delivered to connecting lines (except through cars)—</i>		
Revenue cars.....	6,937	7,651
Non-revenue cars.....	12,516	9,350
Total.....	19,453	17,001
<i>Through cars from connecting lines to connecting lines—</i>		
Revenue cars.....	20,926	20,627
Non-revenue cars.....	20,793	18,917
Total.....	41,719	39,544
<i>Switched locally—</i>		
Revenue cars.....	1,143	1,259
Non-revenue cars.....	119	34
Total.....	1,262	1,293
<i>Total—</i>		
Revenue cars.....	40,895	39,098
Non-revenue cars.....	41,086	36,183
Total.....	81,981	75,281

MAINTENANCE AND CAPITAL WORKS

MAINTENANCE

Ordinary maintenance and repairs were carried out at a total cost of \$207,727, excluding maintenance of Second Narrows bridge, on which \$23,435 was expended. The principal items were the relocation of the North Shore booming grounds, with complete renewal of piling, renewal of float and repairs to approach, Granville Island, renewal of dolphins at no. 3 jetty, replacement of waling timbers at Lapointe pier, railway track renewals, overhaul of rolling stock, renewals and repairs to no. 1 and no. 2 grain elevators, renewals and repairs to cold storage plant and equipment, and general maintenance of harbour facilities and Second Narrows bridge.

CAPITAL WORKS

Capital expenditure, part of which was provided from replacement fund, amounted to \$16,389. The principal items were:—

The construction of quarters for the North Shore section crew, replacement in concrete of a portion of the depressed track bulkhead at Lapointe pier, drainage and grading at the north end of Lapointe pier, completion of additional power cable installation to Fishermen's Wharf, paving an area at Ballantyne pier, construction of booths for salmon checkers at Ballantyne pier and the purchase of a mud pump, a floorstand drill, an impactor, radio telephone equipment for the work boat "Brockton 11" and purchase of a motor boat for use as a booming ground tender.

REVENUES AND EXPENDITURES

Operating revenues were \$2,260,677, as compared with \$2,311,011 in 1948, a decrease of \$50,334. Operating and maintenance expenses showed a decrease of \$84,384, the comparable figures being \$1,209,250 in 1949, and \$1,293,634 in 1948.

After taking into account income debits and credits and making provision for replacements and interest due the Government, there was a net income surplus of \$122,057, as compared with \$81,127 in 1948.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—			
Harbour General			
Harbour Dues.....	\$	126,800	86
Cargo Rates.....		712,674	32
Miscellaneous.....		515,578	78
			\$ 1,355,053 96
Wharves and Piers			
Top Wharfage.....		183,729	41
Dockage.....		25,895	00
Miscellaneous.....		14,990	12
			224,614 53
Permanent Sheds			
Shed Rentals.....		23,546	40
Storage.....		77,087	47
Miscellaneous.....		24,527	49
			125,161 36
Railway System.....			268,372 75
Grain Elevator System			
Rentals.....			219,759 28
Cold Storage System			
Storage.....		2,762	00
Miscellaneous.....		21,984	80
			24,246 80
Miscellaneous—Outsiders.....			43,468 25
			\$ 2,260,676 93
OPERATING EXPENSES—			
Administration.....			176,812 01
Operation and Maintenance—			
Harbour General.....		355,299	68
Roads, Fences and Boundaries.....		2,002	67
Wharves and Piers.....		95,762	94
Permanent Sheds.....		129,431	95
Shed Hoists.....		1,421	04
Railway System.....		314,308	74
Grain Elevator System.....		67,172	35
Cold Storage System.....		28,771	99
Miscellaneous—Outsiders.....		38,267	07
			1,032,438 43
Operating Income.....			1,209,250 44
INCOME RECEIVED FROM INVESTMENTS AND RESERVE FUNDS.....		203,654	75
MISCELLANEOUS INCOME CREDITS.....		8,774	03
			212,428 78
Total Income.....			\$ 1,263,855 27
MISCELLANEOUS DEDUCTIONS FROM INCOME			
Income received from Reserve Funds transferred to Reserves.....		202,519	51
Reserve for Bad Debts.....		626	09
Miscellaneous Income Charges.....		8,535	29
			211,680 89
			1,052,174 38
OTHER INCOME REQUIREMENTS			
Reserve for Replacements.....		250,000	00
Interest due Dominion Government.....		680,117	49
			930,117 49
Net Income Surplus.....			\$ 122,056 89

Harbour of Vancouver

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS		LIABILITIES	
FIXED—		DOMINION GOVERNMENT ACCOUNT—	
Harbour Dredging.....	\$ 2,237 34	Loans and Advances (Interest bearing).....	\$24,735,908 80
Real Estate.....	6,634,452 82	Expenditure under Appropriations.....	2,237 34
Vehicular Bridges.....	98,181 20	Govt. Loans Applied for (Contra).....	2,889 94
Roads, Fences and Boundaries.....	284,491 77		<u>\$24,740,836 08</u>
Miscellaneous Structures.....	18,644 82		
Wharves and Piers.....	8,040,672 83		
Permanent Sheds.....	1,478,020 16		
Railway System.....	1,383,816 65		
Grain Elevator System.....	6,583,158 62		
Cold Storage System.....	95,279 68		
Office Furniture and Appliances.....	36,289 53		
Harbour Buildings.....	61,020 62		
Water Supply System.....	4,123 08		
Floating Equipment.....	27,692 44		
Shore Equipment.....	287,940 01		
Miscellaneous Small Plant.....	52,700 34		
Engineering—General Surveys.....	3,084 59		
Works under Construction.....	355 21		
	<u>\$25,092,161 71</u>		
CURRENT—		ACCOUNTS PAYABLE—CONSTRUCTION.	
Cash—Receiver General of Canada.....	\$ 502,264 31		1,174 15
Cash—On Hand.....	2,222 85		
	<u>504,487 16</u>		
Accounts Receivable.....	249,039 35		
Less—Reserve for Bad Debts.....	14,407 31		
	<u>234,632 04</u>		
Advances due on Capital Account.....	2,889 94		
Stores on Hand.....	70,411 12		
Accrued Revenue.....	22,336 99		
	<u>834,757 25</u>		
SECOND NARROWS BRIDGE—EQUITY.		DEFERRED CREDITS AND SUSPENSE ACCOUNT.	
INVESTMENTS.....	45,848 11		126,429 10
SECURITY DEPOSITS.....	44,759 36		
	<u>14,231 85</u>		<u>32,788,822 48</u>
REPLACEMENT FUND.....	6,961,581 08		
FIRE AND GENERAL INSURANCE FUND.....	106,410 40		
MISCELLANEOUS FUNDS.....	49,485 57		
PREPAID CHARGES.....	2,331 40		
DEFERRED DEBITS.....	67,138 48		
	<u>\$33,218,705 21</u>		
		RESERVES—	
		Replacement.....	6,960,591 10
		Fire and General Insurance.....	106,410 40
		Miscellaneous.....	17,140 92
			<u>7,084,142 42</u>
		CONTRACTORS' SECURITY DEPOSITS—CONTRA.	
			14,231 85
		SURPLUS AND DEFICIT ACCOUNT—	
		Surplus as at December 31, 1948.....	\$ 307,825 84
		Net Income Surplus 1949.....	122,056 89
			<u>429,882 73</u>
			<u>\$33,218,705 21</u>

SECOND NARROWS BRIDGE—VANCOUVER

TRAFFIC

Statement showing classification of revenue passages via Second Narrows Bridge during calendar year 1949, with comparison for 1948.

	1949	1948
Passengers in vehicles and Pedestrians.....	4,392,784	3,381,596
Automobiles (Passenger).....	1,047,783	979,047
Trucks, including Buses.....	398,484	376,960
All others.....	2,377	2,655

REVENUES AND EXPENDITURES

Operating revenues amounted to \$269,012, as compared with \$255,096 in 1948, an increase of \$13,916. Operating and maintenance expenses were lower than those of the previous year, the comparable figures being \$89,081 for 1949 and \$95,975 for 1948.

After charging interest on debt to Vancouver harbour, the bridge showed a surplus for the year of \$174,017, as compared with \$149,019 in 1948.

Surplus from operations, to the extent of \$169,163, was applied, in accordance with the amended agreement relating to the acquisition and operation of the bridge, against the expenditure incurred on its reconstruction. Repayments to date amount to \$964,560, leaving a balance unpaid of \$45,848.

INCOME STATEMENT FOR THE CALENDAR YEAR 1949

OPERATING REVENUES—		
Bridge Tolls.....	\$ 265,112 27	
Sundry Receipts.....	3,899 39	
		\$ 269,011 66
OPERATING EXPENSES—		
Administration.....	4,668 84	
Operation.....	60,977 74	
Maintenance.....	23,434 90	
		89,081 48
Operating Income.....		179,930 18
INTEREST ON DEBT TO VANCOUVER HARBOUR.....		
		5,912 82
Operating Surplus (Before providing for instalments of principal).....	\$	174,017 36

Second Narrows Bridge—Vancouver BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS		LIABILITIES	
FIXED—		CAPITAL—	
Capital Cost of Reconstruction of Bridge.....	\$ 1,010,407 80	Advances from Vancouver Harbour—Unmatured Balance....	\$ 45,848 11
Office Furniture and Appliances.....	491 28	CURRENT—	
		Accounts Payable.....	\$ 130 46
		Ticket Liability.....	4,648 97
		DEFERRED CREDITS.....	4,779 43
			8 33
			50,635 87
CURRENT—		SURPLUS ACCOUNT (Representing payment of principal out of income)—	
Cash—On Hand.....	\$ 813 20	Balance as at December 31, 1948.....	795,396 20
Accounts Receivable.....	673 88	Add—	
Accrued Revenue.....	736 38	Balance 1948 operating surplus applied to repayment of principal.....	37 25
		Part 1949 operating surplus applied to replacement of principal.....	169,126 24
		Representing repayment of principal out of income.....	964,559 69
		Balance of 1949 operating surplus not yet applied to repayment of principal.....	4,891 12
			969,450 81
PREPAID CHARGES.....			\$ 1,020,086 68
			\$ 1,020,086 68

This Balance Sheet is drawn up so as to reflect the terms of an Agreement dated July 12, 1933, between Montreal Trust Co., and Vancouver Harbour Commissioners, and also a supplemental Agreement dated January 16, 1948, between the same parties.

HEAD OFFICE, OTTAWA

Statement of revenues and expenditures and balance sheet of head office are appended as a matter of record. The expenses of head office are assessed proportionately against the several harbours and properties managed by the Board and the amount borne by each is included in the respective expenditure statements.

REVENUE AND EXPENDITURE STATEMENT FOR THE CALENDAR YEAR 1949

REVENUE—

Assessments.....	\$	166,364 13	
Sundry Receipts.....		144 66	
		<hr/>	\$ 166,508 79

EXPENDITURE—

Salaries.....	\$	119,779 11	
Travelling Expenses.....		5,567 65	
Advertising.....		1,826 08	
Office Expenses.....		18,937 39	
Treasury Office—Salaries and Expenses.....		20,398 56	
		<hr/>	\$ 166,508 79
			<hr/>

Head Office, Ottawa

BALANCE SHEET AS AT DECEMBER 31, 1949

ASSETS		LIABILITIES	
Fixed—		Current—	
Office Furniture and Appliances.....	\$ 3,511 59	Accounts Payable.....	\$ 1,094 30
Current—		General Workmen's Compensation Accounts—	
Cash—Receiver General of Canada.....	\$ 1,084 16	Reserve.....	\$ 496,148 69
Cash—On Hand.....	10 14	Accounts Payable.....	15,727 95
			511,876 64
General Workmen's Compensation Fund—		Pension Accounts—	
Cash and Securities.....	504,295 08	Reserve.....	3,280,519 62
Accounts Receivable.....	7,581 56		3,793,490 56
	511,876 64		
Pension Fund—		Surplus and Deficit Account—	
Cash—Receiver General of Canada.....	3,279,704 94	Surplus as at December 31, 1948.....	3,792 74
		Deduct—	
Accounts Receivable.....	814 68	Adjustments in 1949.....	281 15
	3,280,519 62		3,511 59
			\$ 3,797,002 15
			\$ 3,797,002 15

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